

*No. DES 11 OF 2020*



**GOVERNMENT OF KARNATAKA**

**REPORT  
ON  
MEDICAL CERTIFICATION OF  
CAUSE OF DEATH  
2019**



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



## **PREFACE**

*The Report for the year 2019 is the thirty-ninth 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 1782 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 Smt. M.R. Padmaja, Joint Chief Registrar, Sri. G. Honnaraju, Deputy Chief Registrar, Smt. R. Dakshayini, Assistant Chief Registrar, Smt. G. Vanajakshi, Programmer (expert in e-JanMa), Guruprasad. K, Statistical Inspector and the staff involved in data entry, under the overall supervision and guidance of Sri. M. Madeshu, Chief Registrar of Births and Deaths, in bringing out this report.*

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

**N. Madharam**  
**DIRECTOR**

**BENGALURU**  
**Date :29.01.2021**



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## EXECUTIVE SUMMARY

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

**Methodology:** The necessary data is collected in the Prescribed forms (Form No.4 for Hospital deaths and Form No.4A for Non-institutional Deaths). Both these forms have been designed by World Health Organisation (WHO) and are supposed to be filled-up by the medical professionals attending to the deceased at the time of terminal illness. Thereafter, these forms are to be sent to the concerned Registrars of Births and Deaths for onward transmission to the Chief Registrar Office for tabulation as per National List based on International Classification of Diseases (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 – 2019 is based upon 1,54,526 (Males: 99,437 and Females: 55,089) medically certified deaths (30.38 per cent of total registered deaths) supplied by 1782 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 2019, following are Eight leading cause groups of deaths constituting around 85.33 per cent of total deaths:

*I. Diseases of Circulatory System (29.69 per cent) (29.81 per cent in 2018)*

*II. Diseases of the Respiratory System (10.86 per cent)*

*(8.52 per cent in 2018).*

*III. Certain Infectious and Parasitic diseases (8.96 per cent)*

*(8.87 per cent in 2018)*

*IV. Injury, Poisoning and certain other consequences of External*

*causes (8.11 per cent) (9.79 per cent in 2018)*

*V. Neoplasm (7.89 per cent) (9.05 per cent in 2018)*

*VI. Endocrine, Nutritional and Metabolic Diseases (7.05 per cent)  
(6.78 per cent in 2018)*

*VII. Certain condition originating in the perinatal period (6.67 per cent)  
(6.01 per cent in 2018)*

*VIII. Diseases of the Digestive System (6.09 per cent)  
(6.43 per cent in 2018)*

- Among the “*Diseases of the Circulatory System*” deaths, “*Ischaemic Heart Diseases*” (*IHD*) account for the highest number of deaths (33.68 per cent). Around every 10<sup>th</sup> medically certified death has been reported to be caused by Ischemic Heart Disease alone.
- The Second leading cause group “*Diseases of the Respiratory System*” is responsible for 10.86 per cent of the total medically certified deaths of which “*All other Diseases of the Respiratory System*” accounting for around 42.08 per cent, “*Other Lower Respiratory Disorders*” accounting for 33.04 per cent of the total deaths under the group. The other major cause in this group is “*Pneumonia*” causing 12.60 per cent of death under the group and this alone accounts for 1.37 per cent of death to total medically certified deaths.
- The Third leading cause group “*Certain Infectious and Parasitic Diseases*” accounting for 8.96 per cent of the total medically certified deaths, of which “*Septicaemia accounts for 44.82 per cent of the deaths under the group and 4.01 per cent to total medically certified deaths.*”
- The Fourth leading cause group “*Injury, Poisoning and certain other consequences of External causes*” accounting for 8.11 per cent of the total medically certified death, of which “*Other injuries of specified, Unspecified and Multiple Body regions*” accounts for 41.94 per cent of the total deaths under the group and 3.40 per cent to total medically certified deaths.
- The Fifth leading group “*Neoplasms (Cancer)*” accounting for 7.89 per cent of the total medically certified deaths, of which “*Malignant Neoplasm of digestive organs*” accounts for 29.17 per cent which accounts for more than one-fourth of deaths.
- The Sixth leading cause group “*Endocrine, Nutritional and Metabolic Diseases*” is accounting for 7.05 per cent of the total medically certified deaths. Under this cause group, “*Diabetes Mellitus*” group alone accounts for 94.51 per cent of total deaths reported which constitutes 6.67 per cent of deaths to total medically certified deaths.



- The major group “*Certain Conditions Originating in the Perinatal period*” is the Seventh leading cause accounting for 6.67 per cent of the total medically certified deaths. “*Slow fetal growth, fetal Malnutrition and Immaturity*” accounts for 46.05 per cent of the deaths under the group and 3.07 per cent to total medically certified deaths.
- The major group “*Diseases of Digestive System*” is the Eighth leading cause group accounting for 6.09 per cent of the total medically certified deaths. Among the deaths due to disorders of digestive system “*Diseases of the Liver*” alone accounts for 74.11 per cent of the total under the group and 4.51 per cent to total medically certified deaths.
- The Medically Certified deaths during 2018 was 1,50,415 of which the male was 96,867 which constitutes 64.40 per cent, whereas in 2019 total Medically certified deaths was 1,54,526 of which male deaths 99,437 which works out to 64.35 per cent.

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

- Every Seventh medically certified death reported was infants (age less than 1 year).
- About 86.75 per cent of total infant deaths have been reported to be caused by ‘*Certain conditions originating in the perinatal period*’.
- Among the children aged 1-4 years and 5-14 years “*Congenital Malformations, Deformations & Chromosomal Abnormalities*” have taken the highest toll of 44.74 per cent and 24.42 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 34.25 per cent and 25.69 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 leading causes “*Diseases of Circulatory System*” and “*Injury, Poisoning and certain other consequences of External causes*” are having shares of 24.64 and 14.40 per cent respectively.
- For the age-groups of 45 years and above “*Diseases of Circulatory System*” is the first leading cause of death (36.73 per cent). Under this cause group the percentage of deaths increased as the age increases. The percentage share of this cause group to the total medically certified deaths varies from 31.47 for the age group 45-54 years to 39.54 per cent for the age group 70 and above years.

- The highest number of deaths i.e., 38228 was reported as expected for the age group 70 years and above which constitute 24.74 per cent of total medically certified deaths.

**Gender-wise:**

- The percentage of male and female deaths in the total medically certified cases has been reported to be 64.35 and 35.65 respectively.
- Among eight leading cause groups, there is a significant difference for males and female deaths in respect of four cause groups, i.e., in “***Injury, Poisoning and Certain other Consequences of External Causes***”, “***Neoplasms***”, “***Diseases of the Digestive System***” and “***Endocrine, Nutritional and Metabolic Diseases***”.
- The percentage of female Neoplasm deaths to total female medically certified deaths is 9.90 per cent as compared to the corresponding male figure of 6.78 per cent. On the contrary, the percentage of female digestive system deaths to total female medically certified deaths is just 3.55 per cent as compared to the corresponding male figure of 7.49 per cent.

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# CHAPTER - I

## INTRODUCTION



# CHAPTER - I

## INTRODUCTION :

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

**1.2** Medical Research is currently facing stiff challenges from the spread of a variety of ailments like Cancer, AIDS, Heart Diseases, Juvenile diabetes, non-communicable diseases, Swine flu and Chickungunya etc. For tackling these issues, good documentation of information on the causes of death is indispensable. Recognising this fact and in order to draw the profile of different natural and manmade causes of death, the international community of Medical Professionals, under the aegis of World Health Organisation have codified most of the disease labeling them “***International Classification of Diseases (ICD)***”.

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

**1.4** This report is based on the 10<sup>th</sup> revision of ICD. The statistics presented in this report, give information on cause specific mortality cross classified by sex and age-groups. The prescribed Form No. 4 (Annexure-II) has to be carefully filled by the physician who examines / attends / treats the deceased during the period of his / her last illness. This form, which clearly spells out the various causes of death is the basis of this survey results.

**1.5 Meaning & Scope of Cause of Death:** The term ‘cause of death’ has been defined as to go back to the root/ underlying cause. It is “the morbid condition to which can be traced the sequences of events ultimately resulting in death”. The form prescribed for certification has two parts, Part-I for recording the diseases suffered by the deceased in a specific sequence to facilitate segregation of the underlying cause from the immediate cause and Part-II for other significant morbid conditions, even if they were not responsible for the death.

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

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

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

**Section 10(3)** : Where the State Government has required under sub-section (2) that a certificate as to the cause of death shall be obtained. In the event of the death of any person who, during his last illness, was attended by a medical practitioner, the medical practitioner shall, after the death of that person, forthwith, issue without charging any fee, to the person required under this Act to give information concerning the death, a certificate in the prescribed form stating to the best of his knowledge and belief the cause of death; and the certificate shall be received and delivered by such person to the Registrar at the time of giving information concerning the death as required by this Act.

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

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

**1.7** The report is presented in 4 chapters and 3 appendices. Chapters II, III and IV deals with '*Scheme of Medical Certification of Cause of Death: Status of implementation*', '*Distribution of Deaths by Cause*' and '*Specific Cause of Mortality in different age group*' respectively. 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. In the year 1991, 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. 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 2019, 1782 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 the Office of Chief Registrar of Births and Deaths. They were scrutinised & coded as per ICD-10<sup>th</sup> Revision & Table-9 derived as per the National list prescribed / designed by the Registrar General, India. Data was processed at the Inhouse Computer Centre of the CNL Division of the Directorate.

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

### Statement -1

#### DISTRICTWISE AND SEXWISE DISTRIBUTION OF NUMBER OF MEDICALLY CERTIFIED DEATHS - 2019

Sl. No	District Name	No. of Hospitals	Male	Female	Total
1	Bagalkote	67	1737	906	2643
2	Bengaluru(U)	726	34140	20438	54578
3	Bengaluru(R)	17	811	324	1135
4	Belagavi	88	5382	2491	7873
5	Bellary	45	2986	1531	4517
6	Bidar	16	1014	563	1577
7	Chamarajanagar	13	395	161	556
8	Chikballapur	16	452	267	719
9	Chikmagalur	28	768	462	1230
10	Chitradurga	21	1375	776	2151
11	D.Kannada	109	7783	4279	12062
12	Davanagere	30	3873	2266	6139
13	Dharwad	80	5621	3203	8824
14	Gadag	38	1765	1146	2911
15	Hassan	25	2187	1124	3311
16	Haveri	20	706	280	986
17	Kalburgi	28	2277	1361	3638
18	Kodagu	18	480	215	695
19	Kolar	20	1990	985	2975
20	Koppal	14	485	277	762
21	Mandya	28	1909	1020	2929
22	Mysuru	44	7692	3770	11462
23	Raichur	21	1817	1002	2819
24	Ramanagara	13	198	89	287
25	Shimoga	59	2924	1629	4553
26	Tumkur	38	1949	1042	2991
27	Udupi	55	3159	1707	4866
28	U.Kannada	55	1700	875	2575
29	Vijayapura	45	1765	847	2612
30	Yadgir	5	97	53	150
<b>Total</b>		<b>1782</b>	<b>99437</b>	<b>55089</b>	<b>154526</b>

**2.5** During 2019, a total of 154526 medically certified deaths were reported, of which 99437 and 55089 pertained to males and females respectively. Among 4345 hospitals in the State 1782 (41.01%) hospitals were covered under Medical Certification of Cause of Death.

In Bangalore district, 54578 deaths have been reported from 726 hospitals covering 35.32 per cent to total deaths.

The next highest number of hospitals 109 in Dakshina Kannada district covered under Medical Certification of Cause of Death reported for 12062 deaths (7.81 per cent).

Less than 500 deaths were reported in the districts of Ramanagar (0.19%) and Yadgir (0.10%).

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

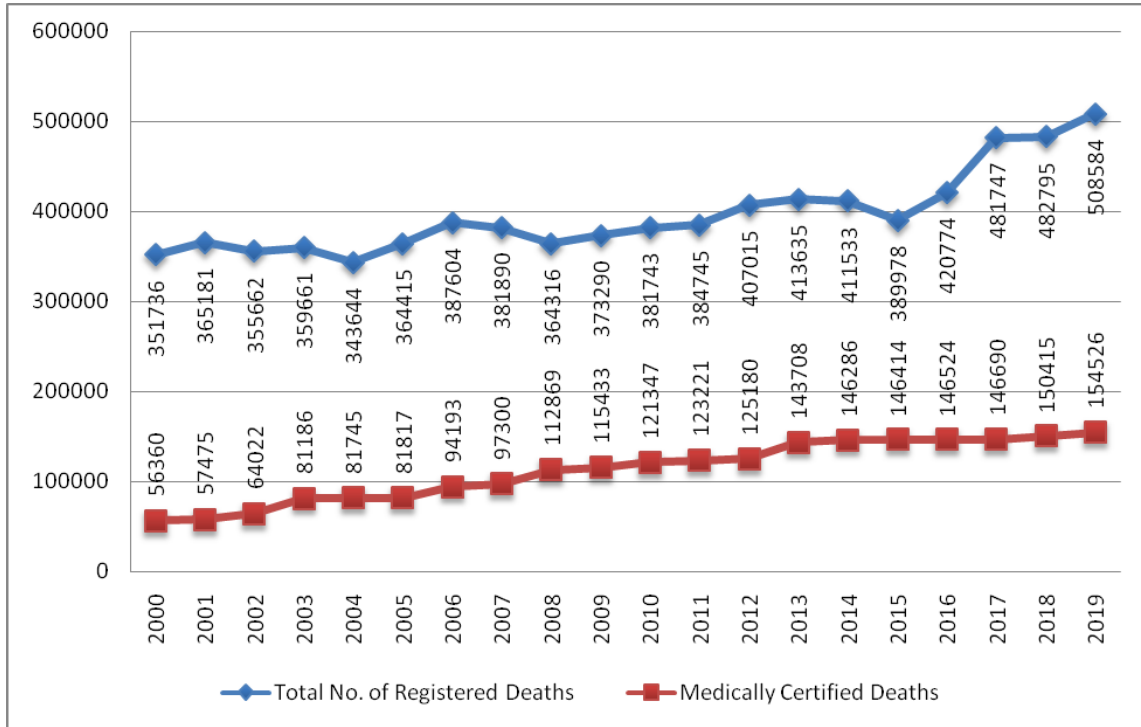
**2.6** The time series data on MCCD for the year 2000 to 2019 reveals a significant long-term growth in absolute numbers of medically certified cases. The share of medically certified deaths in total registered deaths has been fluctuating over the years. It was 16.02 per cent during the year 2000 and 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
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
2018	482795	150415	31.16
2019	508584	154526	30.38

CHART - 1

Growth in MCCD in Karnataka 2000 – 2019



**CHAPTER – III**

**SCHEME OF MCCD :**

**DISTRIBUTION OF DEATHS**

**BY CAUSE**



## CHAPTER – III

### Distribution of Deaths by Causes

**3.1** The data on Medical Certification of Cause of Death has been presented as per the National list based on 10<sup>th</sup> revision of ICD, to facilitate meaningful comparison and drawing valid conclusions thereof. This chapter aims at summarising the findings of data reported on medically certified deaths from 1782 hospitals by age, sex and major cause groups. During 2019, a total of 1,54,526 medically certified deaths were reported, of which 99,437 and 55,089 pertained to males and females respectively. The age-wise distribution of such deaths by sex is presented in the **Statement-3 & Chart-2**.

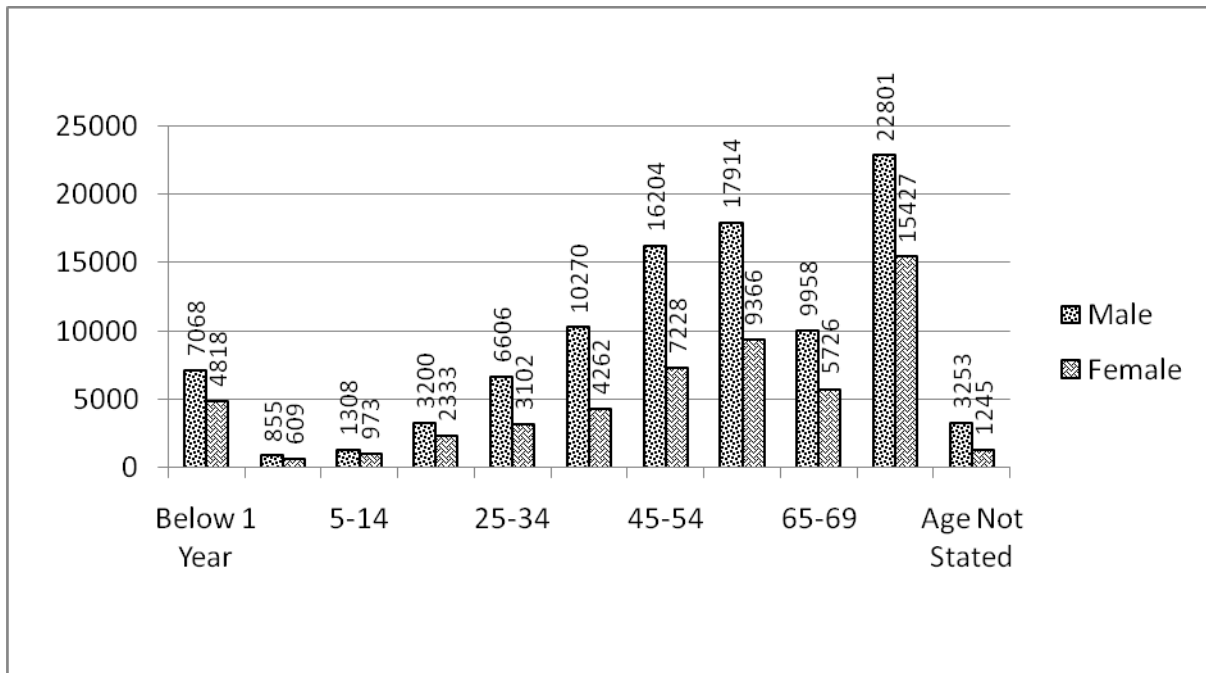
#### Statement – 3

##### Age and Sex Distribution of Medically Certified Deaths – 2019

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	7068	7.11	4.57	4818	8.75	3.12	11886	7.69
2	1-4	855	0.86	0.55	609	1.11	0.39	1464	0.95
3	5-14	1308	1.32	0.85	973	1.77	0.63	2281	1.48
4	15-24	3200	3.22	2.07	2333	4.23	1.51	5533	3.58
5	25-34	6606	6.64	4.28	3102	5.63	2.01	9708	6.28
6	35-44	10270	10.33	6.65	4262	7.74	2.76	14532	9.40
7	45-54	16204	16.30	10.49	7228	13.12	4.68	23432	15.16
8	55-64	17914	18.02	11.59	9366	17.00	6.06	27280	17.65
9	65-69	9958	10.01	6.44	5726	10.39	3.71	15684	10.15
10	70 & above	22801	22.93	14.76	15427	28.00	9.98	38228	24.74
11	Age Not Stated	3253	3.27	2.11	1245	2.26	0.81	4498	2.91
	<b>Total</b>	<b>99437</b>	<b>100.00</b>	<b>64.35</b>	<b>55089</b>	<b>100.00</b>	<b>35.65</b>	<b>154526</b>	<b>100.00</b>

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

**Chart - 2**  
**DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY**  
**AGE AND SEX UNDER MCCD – 2019**



**3.2** Statement-3 indicates the contribution of male and female deaths in the total medically certified cases were reported to be 64.35 per cent and 35.65 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 57.24 per cent of deaths. Age group 65-69 years also had a significant place with 10.01 per cent. Infant deaths occupied the 6<sup>th</sup> place (7.11 per cent). Least vulnerable were those in the age group 1-4 years (0.86 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 45.01 per cent deaths. Infant deaths took 5<sup>th</sup> position with 8.75 per cent, 17.60 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)*, *Diseases of the Respiratory System (J00-J98)*, *Certain Infectious and Parasitic Diseases (A00-B99)*, *Injury, Poisoning and Certain Other Consequences of External Causes (S00-T98)*, *Neoplasms (C00-D48)*, *Endocrine, Nutritional and Metabolic Diseases (E00-E89)*, *Certain Conditions Originating in the Perinatal Period (P00-P96)* and *Diseases of the Digestive System (K00-K92)* had taken together account for about 85.33 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. **29.69 per cent** of total medically certified deaths, followed by *‘Diseases of Respiratory System’* constitute **10.86 per cent**, *‘Certain Infectious and Parasitic Diseases’* constitute **8.96 per cent** *‘Injury, Poisoning and Certain Other Consequences of External Causes’* **8.11 per cent**, *‘Neoplasms’* **7.89 per cent**, and followed by *‘Endocrine, Nutritional and Metabolic Diseases’* constitute **7.05 per cent**, *‘Certain Conditions Originating in the Perinatal Period’* constitute **6.67 percent** and *‘Diseases of the Digestive System’* constitute **6.09 per cent**, to 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), Endocrine, Nutritional and Metabolic Diseases (E00-E89) and Certain Conditions Originating in the Perinatal Period (P00-P96) 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.

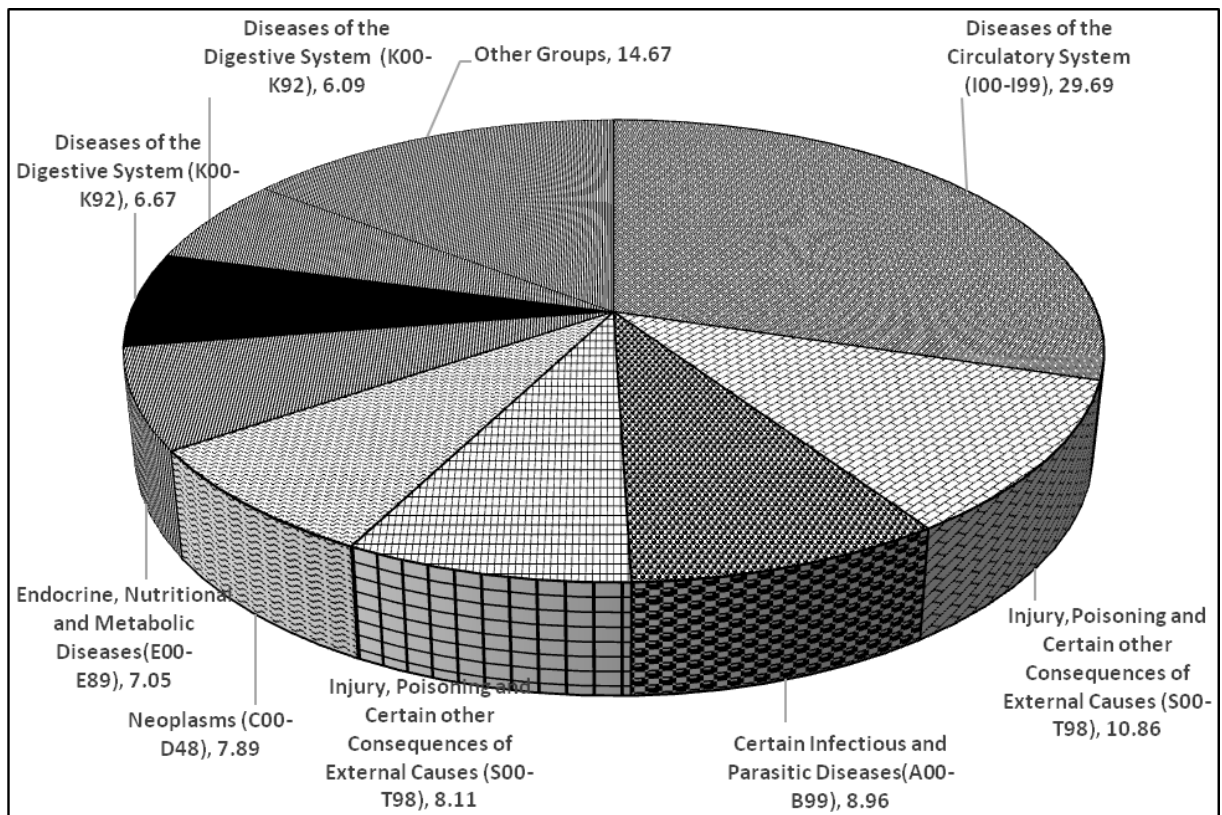
**Statement-4**

**Distribution of Medically Certified Deaths by Sex and Eight Leading Cause-Groups during -2019**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System (I00-I99)	29405	29.57	16479	29.91	45884	29.69
2	Diseases of the Respiratory System (J00-J98)	11149	11.21	5635	10.23	16784	10.86
3	Certain Infectious and Parasitic Diseases(A00-B99)	8940	8.99	4901	8.90	13841	8.96
4	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	8958	9.01	3579	6.50	12537	8.11
5	Neoplasms (C00-D48)	6737	6.78	5455	9.90	12192	7.89
6	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	6626	6.66	4275	7.76	10901	7.05
7	Certain Conditions Originating in the Perinatal Period(P00-P96)	6078	6.11	4233	7.68	10311	6.67
8	Diseases of the Digestive System (K00-K92)	7449	7.49	1956	3.55	9405	6.09
9	Other Groups	14095	14.17	8576	15.57	22671	14.67
	<b>Total</b>	<b>99437</b>	<b>100.00</b>	<b>55089</b>	<b>100.00</b>	<b>154526</b>	<b>100.00</b>

**Chart - 3**

**PERCENTAGE DISTRIBUTION OF DEATHS UNDER MCCD  
BY LEADING CAUSE GROUP – 2019**



**3.5** The percentage distribution of Eight major cause groups of deaths for the period 2002 to 2019 is presented in the **Statement-5**.

**Statement – 5**  
**Percentage Distribution of 8 leading Major Cause Groups of Deaths during**  
**2002 to 2019**

Year	Leading major cause groups of deaths (As per ICD-10)									
	Diseases of the circulatory system	Diseases of the Respiratory System	Certain Infectious and Parasitic Diseases	Injury Poisoning & certain other consequences of external causes	Neo-plasm	Endocrine, Nutritional & Metabolic Diseases	Certain conditions originating in the Perinatal period	Diseases of the Digestive System	Other Groups	Total
2002	25.32	5.22	12.32	13.63	4.45	5.95	10.39	6.26	16.46	100.00
2003	25.56	5.52	12.32	11.62	5.36	6.39	10.01	6.29	16.93	100.00
2004	25.65	5.43	12.24	11.48	6.20	6.29	9.54	6.45	16.72	100.00
2005	26.98	5.97	12.72	10.28	5.67	6.81	9.68	6.38	15.51	100.00
2006	27.51	6.52	12.03	10.19	5.86	8.07	7.71	6.55	15.56	100.00
2007	25.29	7.22	13.02	11.28	5.68	6.72	8.77	6.33	15.69	100.00
2008	28.78	7.56	11.12	10.16	6.25	6.84	8.32	5.96	15.01	100.00
2009	28.26	7.47	11.23	9.75	6.77	6.88	8.95	6.04	14.65	100.00
2010	30.69	8.58	11.45	8.66	6.24	6.42	8.90	6.48	12.59	100.00
2011	29.97	7.90	10.68	11.20	6.15	6.36	9.33	6.55	11.85	100.00
2012	30.57	8.03	10.85	10.81	6.48	6.57	9.27	6.22	11.20	100.00
2013	28.80	8.60	10.10	11.48	6.67	5.59	9.33	6.64	12.79	100.00
2014	29.61	8.36	9.23	11.22	7.46	5.36	9.97	6.60	12.20	100.00
2015	31.81	8.53	9.39	11.13	7.80	5.55	9.39	6.86	13.02	100.00
2016	29.44	8.65	9.51	10.75	9.07	6.43	5.85	6.61	13.68	100.00
2017	30.88	8.65	9.12	10.43	9.08	6.50	5.29	6.50	13.55	100.00
2018	29.81	8.52	8.87	9.79	9.05	6.78	6.01	6.43	14.73	100.00
2019	29.69	10.86	8.96	8.11	7.89	7.05	6.67	6.09	14.67	100.00

**Note:** - 'Others' include to remaining major 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 varied from 25.32 to 31.81 over the years. Under this group 0.12 per cent of deaths have been decreased during 2019 when compared to 2018.

**3.5.1** The share of medically certified deaths due to '*Diseases of Respiratory System*' has varied in the range of 5.22 to 10.86 per cent during the period of 2002 to 2019, this accounting for around 5 to 10 deaths per hundred reported medically certified deaths.

**3.5.2** The major cause group '*Certain Infectious and Parasitic Diseases*' has shown a declining trend in its share to total deaths over the years. The percentage of deaths due to this group has been decreased from 12.32 per cent to 8.96 per cent over the years

**3.5.3** The proportion of deaths due to '*Injury, Poisoning and Certain Other Consequences of External Causes*' has exhibited fluctuating trend pattern over the years. Under this group 1.68 per cent of deaths have been decreased during 2019 when compared to 2018.

**3.5.4** The percentage of deaths due to '*Neoplasms*' has been increased from 4.45 per cent to 9.05 from the year 2002 to 2018. Under this group 1.16 per cent of deaths have been decreased during 2019 when compared to 2018.

**3.5.5** The share of medically certified deaths due to '*Endocrine, Nutritional and Metabolic Diseases*' is 7.05 per cent during 2019.

**3.5.6** 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 when compared to 2002. The per cent share of this group in 2019 is 6.67.

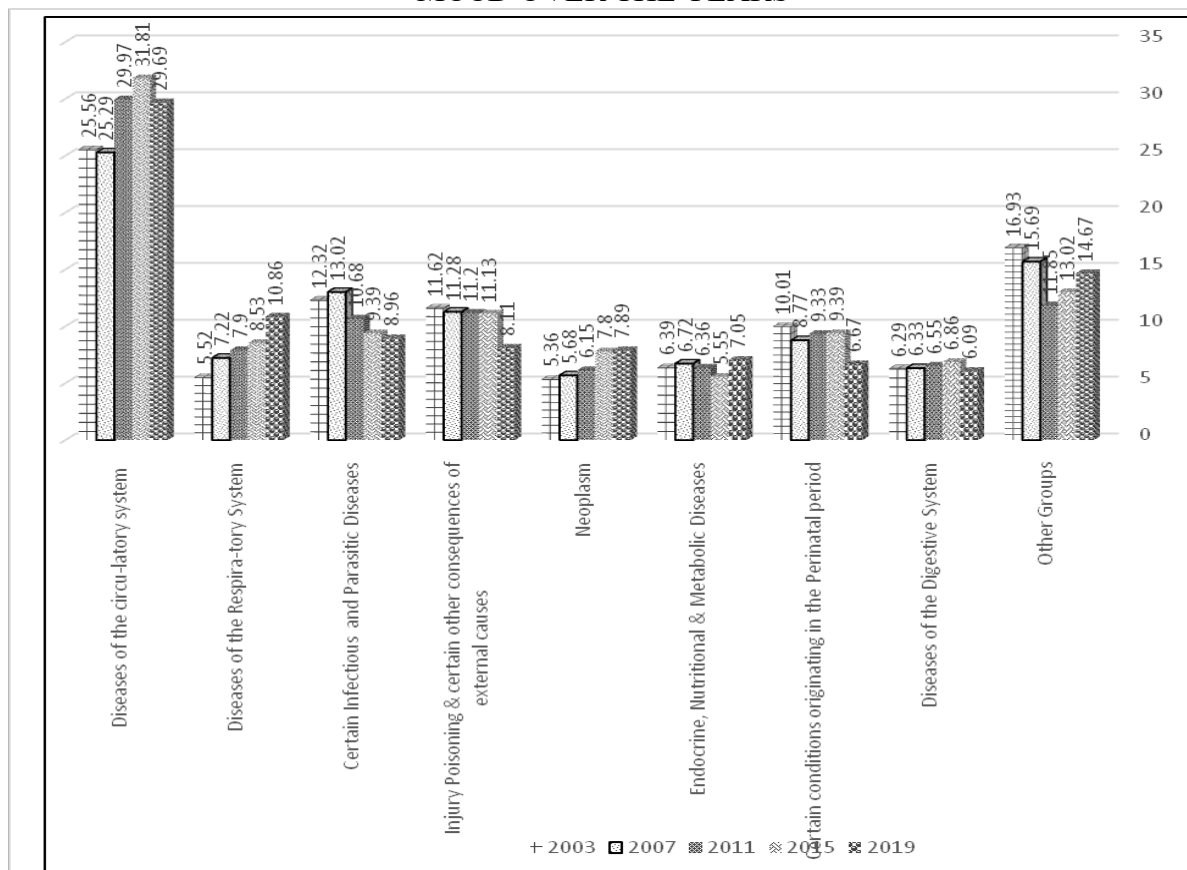
**3.5.7** In 2019, the percentage of medically certified deaths due to '*Diseases of Digestive System*' is 6.09 as against 6.26 in 2002. The share of deaths due to this cause has an average of 6 per cent since 2002.

**3.5.8** The groups "*other than*" the Eight leading ones viz., *Diseases of the Genitourinary System, 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 2002.

**3.5.9** The **Chart-4** shows the percentage share of leading cause groups of death in Medical Certification of Cause of Death for the years 2003, 2007, 2011, 2015 and 2019.

**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 29.69 per cent of total medically certified deaths. It accounts for 29.57 per cent of males and 29.91 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**.

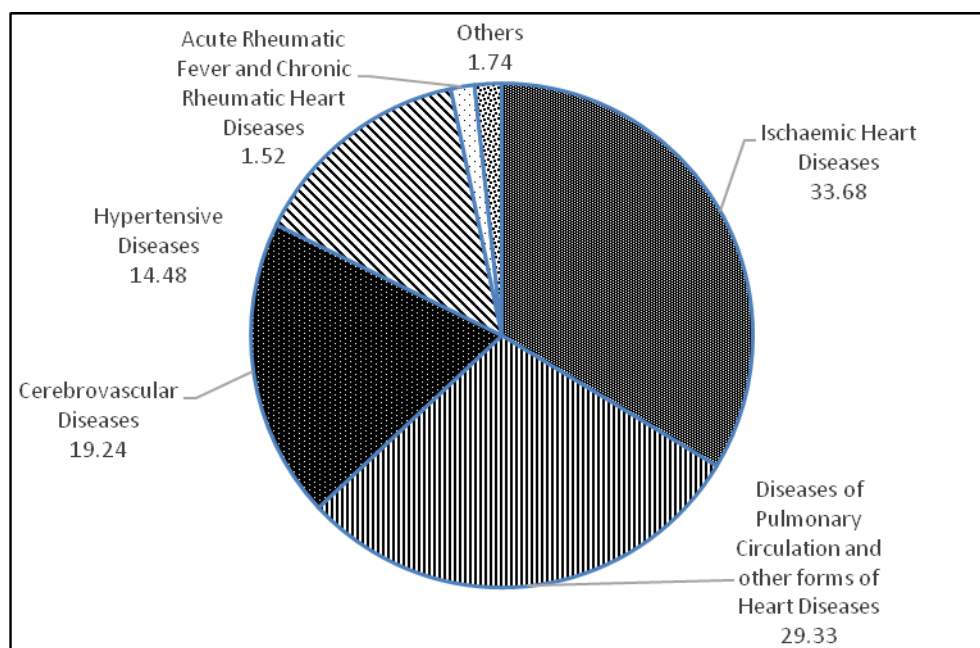
#### Statement – 6

##### DISTRIBUTION OF MAJOR CAUSES OF DEATHS AMONG DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2019

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Ischaemic Heart Diseases	10227	34.78	5225	31.71	15452	33.68	10.00
2	Diseases of Pulmonary Circulation and other forms of Heart Diseases	8453	28.75	5006	30.38	13459	29.33	8.71
3	Cerebrovascular Diseases	5699	19.38	3131	19.00	8830	19.24	5.71
4	Hypertensive Diseases	4212	14.32	2432	14.76	6644	14.48	4.30
5	Acute Rheumatic Fever and Chronic Rheumatic Heart Diseases	298	1.01	401	2.43	699	1.52	0.45
6	Others	516	1.75	284	1.72	800	1.74	0.52
	<b>Total Medically Certified Deaths due to Diseases of Circulatory System</b>	<b>29405</b>	<b>100.00</b>	<b>16479</b>	<b>100.00</b>	<b>45884</b>	<b>100.00</b>	<b>29.69</b>
	Deaths due to Diseases of Circulatory system as percentage to total medically certified deaths		<b>29.57</b>		<b>29.91</b>		<b>29.69</b>	

**Chart – 5**

**PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM – 2019**



**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 (**33.68 per cent**) under the major group '*Diseases of Circulatory System*'. Furthermore, around every 10<sup>th</sup> 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 **29.33 per cent** and **19.24 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 increases with age.

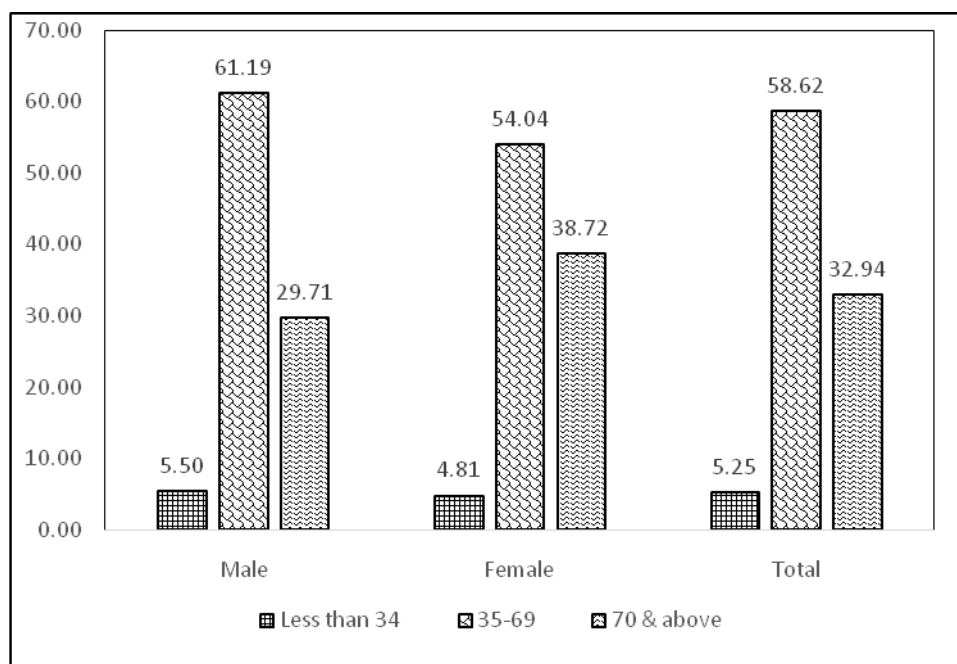
### Statement -7

#### AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2019

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	1	0.00	3	0.02	4	0.01
3	5-14	10	0.03	5	0.03	15	0.03
4	15-24	285	0.97	217	1.32	502	1.09
5	25-34	1321	4.49	568	3.45	1889	4.12
6	35-44	2547	8.66	1034	6.27	3581	7.80
7	45-54	5157	17.54	2217	13.45	7374	16.07
8	55-64	6410	21.80	3430	20.81	9840	21.45
9	65-69	3878	13.19	2224	13.50	6102	13.30
10	70 & above	8735	29.71	6380	38.72	15115	32.94
11	Age Not Stated	1061	3.61	401	2.43	1462	3.19
	<b>Total</b>	<b>29405</b>	<b>100.00</b>	<b>16479</b>	<b>100.00</b>	<b>45884</b>	<b>100.00</b>

### Chart - 6

#### AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM" UNDER MCCD - 2019



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

The major group of Diseases of Respiratory System is the Second leading cause, responsible for 10.86 per cent of the total medically certified deaths. This has contributed to 8.59 per cent of male and 10.23 per cent of female deaths. The distribution of chief constituents of the major cause group is given in **Statement-8** and is presented in **Chart-7**.

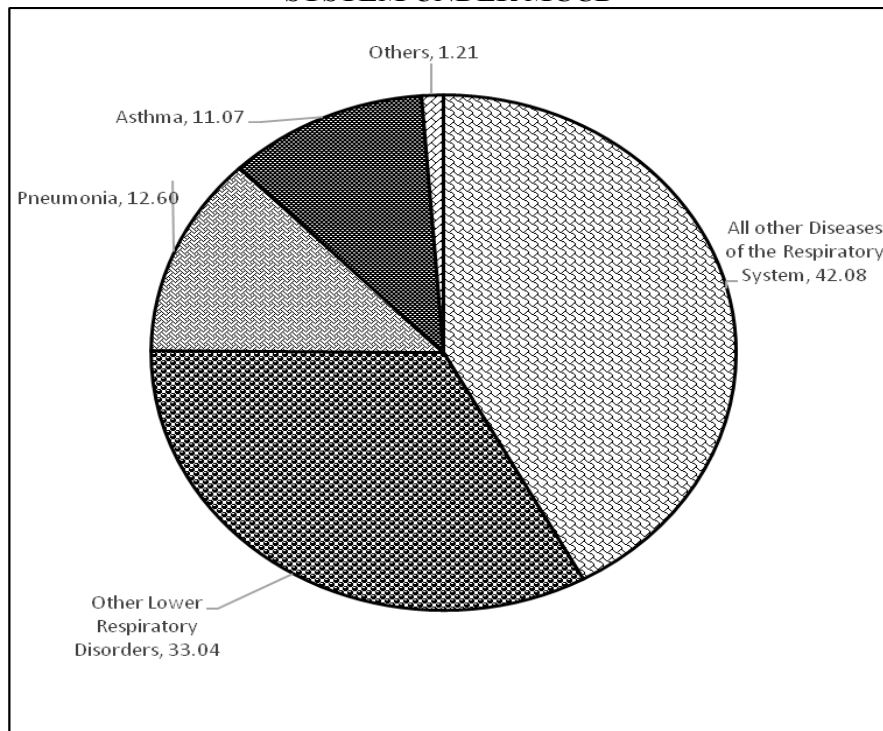
**Statement – 8**

#### **Distribution of Deaths due to Diseases of Respiratory System Under MCCD-2019**

Sl No.	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	All other Diseases of the Respiratory System	4458	39.99	2605	46.23	7063	42.08	4.57
2	Other Lower Respiratory Disorders	4152	37.24	1393	24.72	5545	33.04	3.59
3	Pneumonia	1333	11.96	782	13.88	2115	12.60	1.37
4	Asthma	1081	9.70	777	13.79	1858	11.07	1.20
5	Others	125	1.12	78	1.38	203	1.21	0.13
	<b>Total Medically Certified Deaths due to Diseases of Respiratory System</b>	<b>11149</b>	<b>100.00</b>	<b>5635</b>	<b>100.00</b>	<b>16784</b>	<b>100.00</b>	<b>10.86</b>
	Deaths due to Diseases of Respiratory system as percentage to total medically certified deaths		<b>8.59</b>		<b>10.23</b>		<b>10.86</b>	

**Chart – 7**

#### **PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF RESPIRATORY SYSTEM UNDER MCCD**



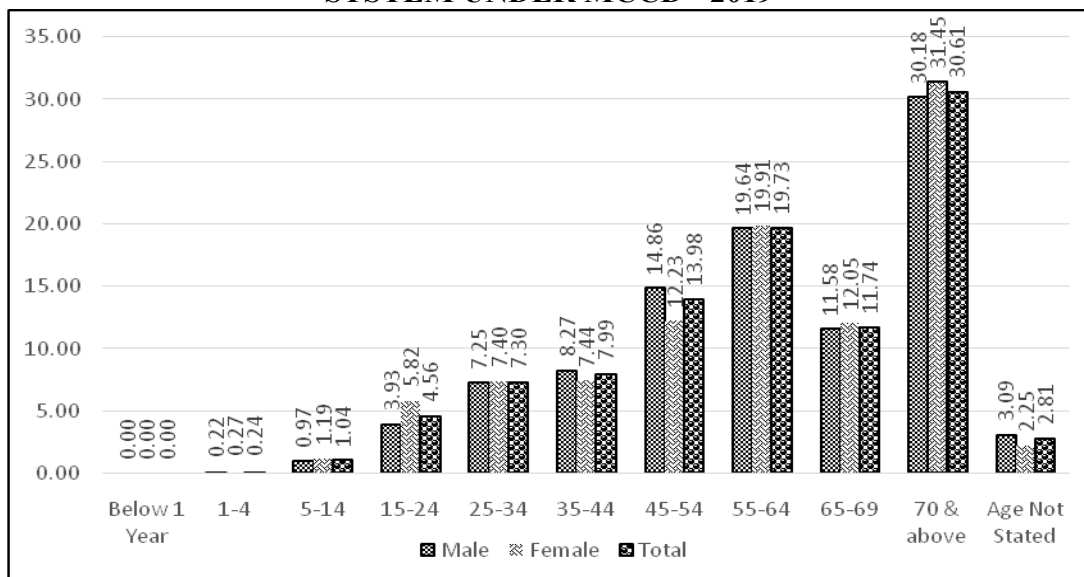


**3.7.1 ‘All other Diseases of the Respiratory System’** is the leading cause of death, has caused 42 out of every hundred reported deaths under the major cause group (42.08 per cent). It is followed **‘Other lower Respiratory disorders’** has caused 33.04 per cent of the deaths. **‘Pneumonia’** an inflammatory illness of the lung and also one of the leading cause of death among the elderly and Children has caused 13 out of every hundred reported deaths (12.60 per cent). The percentage share of Pneumonia to the total medically certified deaths is 1.37 percent with the corresponding share of Asthma being 1.20 per cent. The age composition of deaths due to ‘Diseases of Respiratory System’ is presented in **Statement-9** and is highlighted in **Chart-8**.

**Statement – 9**  
**Age Distribution of Deaths due to Diseases of Respiratory system**  
**Under MCCD-2019**

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	25	0.22	15	0.27	40	0.24
3	5-14	108	0.97	67	1.19	175	1.04
4	15-24	438	3.93	328	5.82	766	4.56
5	25-34	808	7.25	417	7.40	1225	7.30
6	35-44	922	8.27	419	7.44	1341	7.99
7	45-54	1657	14.86	689	12.23	2346	13.98
8	55-64	2190	19.64	1122	19.91	3312	19.73
9	65-69	1291	11.58	679	12.05	1970	11.74
10	70 & above	3365	30.18	1772	31.45	5137	30.61
11	Age Not Stated	345	3.09	127	2.25	472	2.81
	<b>Total</b>	<b>11149</b>	<b>100.00</b>	<b>5635</b>	<b>100.00</b>	<b>16784</b>	<b>100.00</b>

**Chart – 8**  
**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF RESPIRATORY**  
**SYSTEM UNDER MCCD - 2019**



**3.7.2** The age group '70 and above years' has reported maximum incidence of deaths (30.61 per cent) under the major cause group followed by the age group '55-64 years' with 19.73 per cent of deaths due to 'Diseases of Respiratory system'. The children of age group 0-4 have contributed to only 0.24 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 76.05 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. 14.68 per cent for females compared to 12.37 per cent of males).

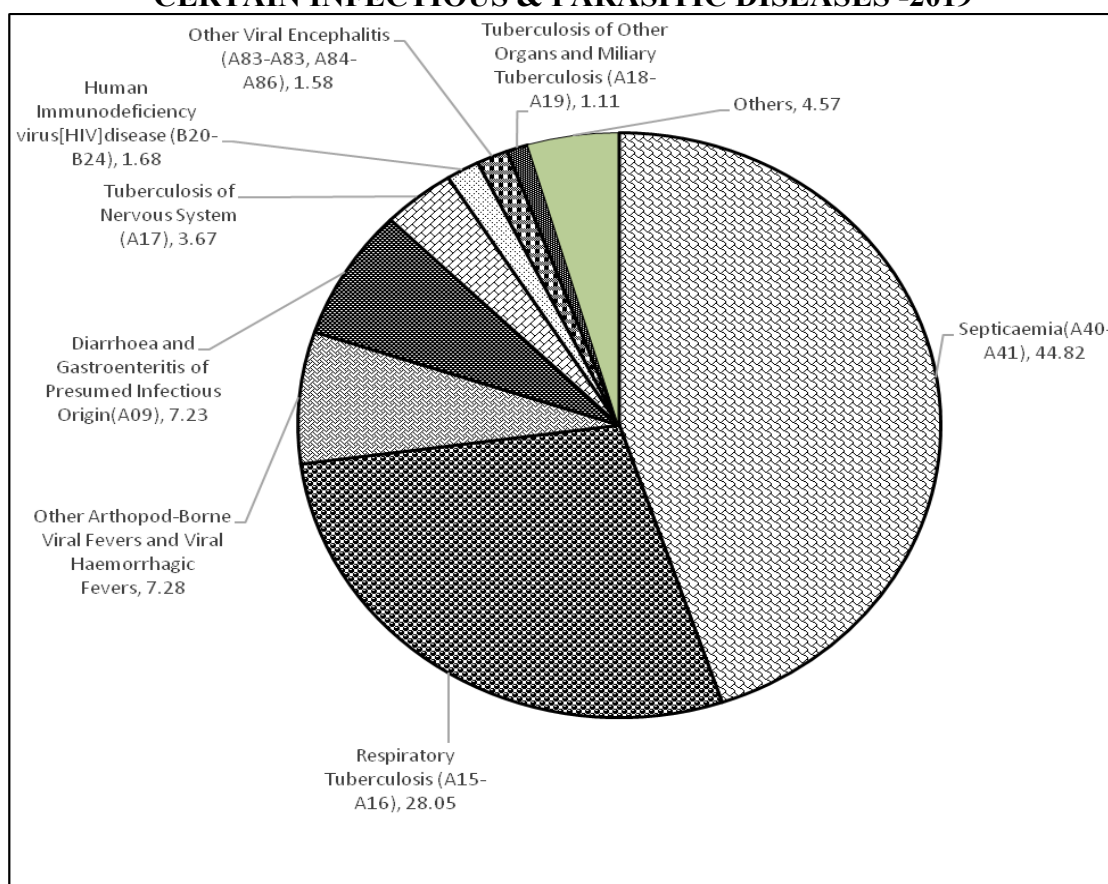
### **3.8 Certain Infectious and Parasitic Diseases (I):**

It is the Third leading cause group of disease accounting for 8.96 per cent of total medically certified deaths, which constitute 8.99 per cent of male and 8.90 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-10** and is depicted in **Chart - 9**.

**Statement -10**  
**Distribution of Major Causes of Deaths among Certain Infectious and Parasitic Diseases Under MCCD-2019**

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Septicaemia(A40-A41)	3822	42.75	2382	48.60	6204	44.82	4.01
2	Respiratory Tuberculosis (A15-A16)	2803	31.35	1080	22.04	3883	28.05	2.51
3	Other Arthropod-Borne Viral Fevers and Viral Haemorrhagic Fevers	599	6.70	409	8.35	1008	7.28	0.65
4	Diarrhoea and Gastroenteritis of Presumed Infectious Origin(A09)	568	6.35	433	8.83	1001	7.23	0.65
5	Tuberculosis of Nervous System (A17)	337	3.77	171	3.49	508	3.67	0.33
6	Human Immunodeficiency virus[HIV]disease (B20-B24)	152	1.70	80	1.63	232	1.68	0.15
7	Other Viral Encephalitis (A83-A83, A84-A86)	134	1.50	85	1.73	219	1.58	0.14
8	Tuberculosis of Other Organs and Miliary Tuberculosis (A18-A19)	109	1.22	44	0.90	153	1.11	0.10
9	Others	416	4.65	217	4.43	633	4.57	0.41
	<b>Total Medically Certified Deaths due to Certain Infectious and Parasitic Diseases</b>	<b>8940</b>	<b>100.00</b>	<b>4901</b>	<b>100.00</b>	<b>13841</b>	<b>100.00</b>	<b>8.96</b>
	Deaths due to Infectious and Parasitic Disease as percentage to total medically certified deaths		<b>8.99</b>		<b>8.90</b>		<b>8.96</b>	

**Chart – 9**  
**PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN INFECTIOUS & PARASITIC DISEASES -2019**



**3.8.1** Among the *Certain Infectious and Parasitic Diseases*, ‘*Septicemia*’ is the highest reported medically certified cause of mortality, constituting around **44.82 per cent**, followed by ‘*Respiratory Tuberculosis*’ (**28.05 per cent**). Under this major group, percentage of *Septicemia* deaths in females is **48.60** per cent as against **42.75** per cent of males out of their respective totals. The share of ‘*Other Arthropod- Borne Fevers and Viral Haemarrhagic fevers*’, ‘*Diarrhoea & Gastroenteritis of presumed Infectious Origin*’, and ‘*Tuberculosis of Nervous System*’ in the total deaths under this group are **7.28**, **7.23** and **3.67** 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-11** and is presented in **Chart-10**.

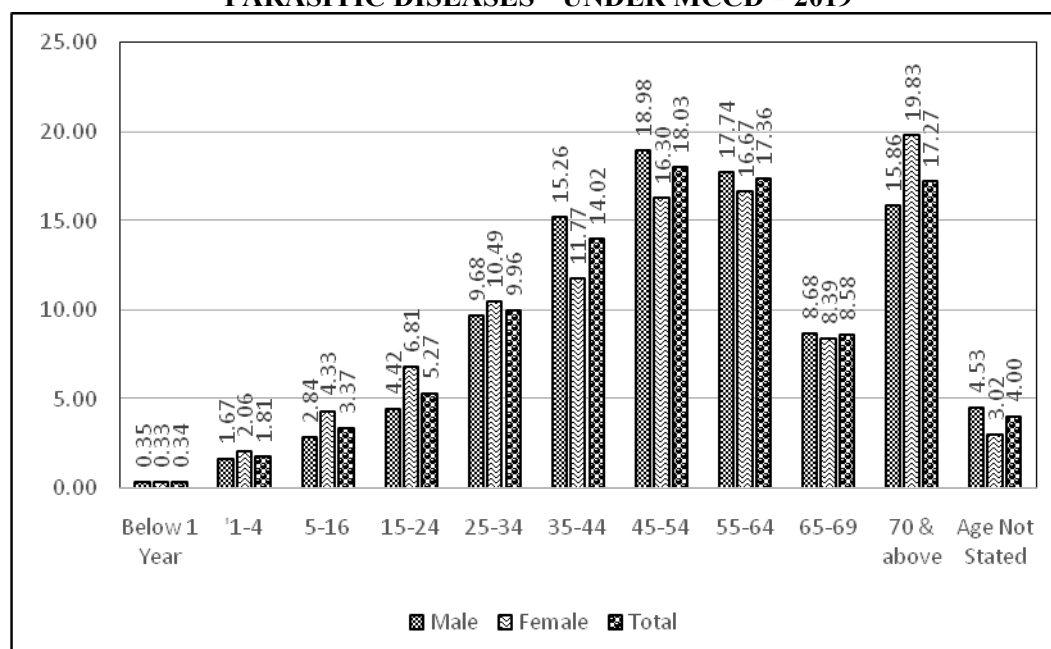
### Statement-11

#### Age Distribution of Deaths due to Certain Infectious and Parasitic Diseases Under MCCD-2019

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	31	0.35	16	0.33	47	0.34
2	'1-4	149	1.67	101	2.06	250	1.81
3	5-16	254	2.84	212	4.33	466	3.37
4	15-24	395	4.42	334	6.81	729	5.27
5	25-34	865	9.68	514	10.49	1379	9.96
6	35-44	1364	15.26	577	11.77	1941	14.02
7	45-54	1697	18.98	799	16.30	2496	18.03
8	55-64	1586	17.74	817	16.67	2403	17.36
9	65-69	776	8.68	411	8.39	1187	8.58
10	70 & above	1418	15.86	972	19.83	2390	17.27
11	Age Not Stated	405	4.53	148	3.02	553	4.00
	<b>Total</b>	<b>8940</b>	<b>100.00</b>	<b>4901</b>	<b>100.00</b>	<b>13841</b>	<b>100.00</b>

### Chart -10

#### AGE DISRIBUTION OF DEATHS DUE TO “CERTAIN INFECTIOUS & PARASITIC DISEASES” UNDER MCCD – 2019



As shown in the **Statement-11**, the highest incidence of deaths (18.03 per cent) is reported for the age group 45-54 years, closely followed by age groups 55-64 years (17.36 per cent) and 70 and above years (17.27 per cent). The age-group 25-34 years

has contributed to around 9.96 per cent of total deaths under the cause group '*Certain Infectious and Parasitic Diseases*'.

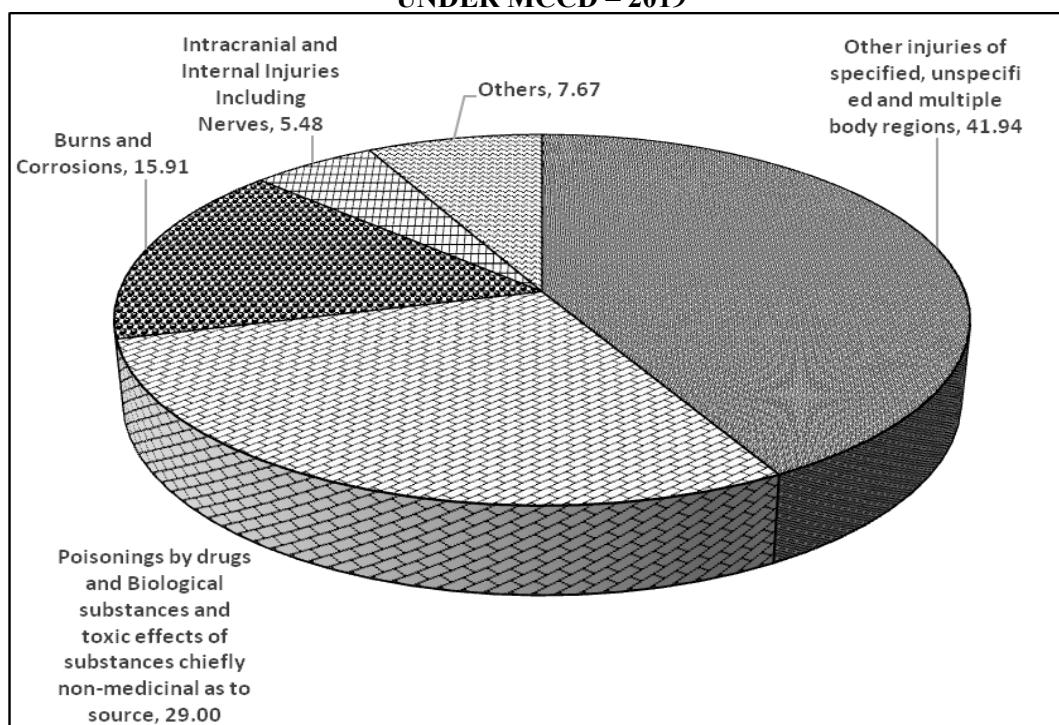
### 3.9 Injury, Poisoning and Certain Other Consequences of External Causes (XIX):

It is the Fourth leading cause group responsible for **8.11** per cent of total medically certified deaths. This has caused **9.01** per cent of male and **6.50** per cent of female deaths. Under this cause group by '*Other Injuries of specified and unspecified and multiple body regions*' with 4336 male and 922 female deaths (41.94 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 29.00 per cent of the total deaths and '*Burns and Corrosions*' (**15.91 per cent**). Death due to Burns and corrosions among females is 32.22 per cent as compared to 9.40 per cent among males, under this major group. The distribution of chief constituents of the major cause group is given in the **Statement-12** and is depicted in **Chart-11**.

**Statement-12**  
**Distribution of Deaths due to Injury, Poisoning and Certain other consequences of External causes Under MCCD-2019**

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.	4336	48.40	922	25.76	5258	41.94	3.40
2	Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medicinal as to source.	2533	28.28	1103	30.82	3636	29.00	2.35
3	Burns and Corrosions	842	9.40	1153	32.22	1995	15.91	1.29
4	Intracranial and Internal Injuries Including Nerves	553	6.17	134	3.74	687	5.48	0.44
5	Others	694	7.75	267	7.46	961	7.67	0.62
	<b>Total Medically Certified Deaths due to Diseases of Injury, Poisoning and Certain Other Consequences of External causes.</b>	<b>8958</b>	<b>100.00</b>	<b>3579</b>	<b>100.00</b>	<b>12537</b>	<b>100.00</b>	<b>8.11</b>
	Deaths due to Injury, Poisoning and Certain other consequences of External causes as percentage to total medically certified deaths		<b>9.01</b>		<b>6.50</b>		<b>8.11</b>	

**Chart 11**  
**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING &**  
**CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES**  
**UNDER MCCD – 2019**



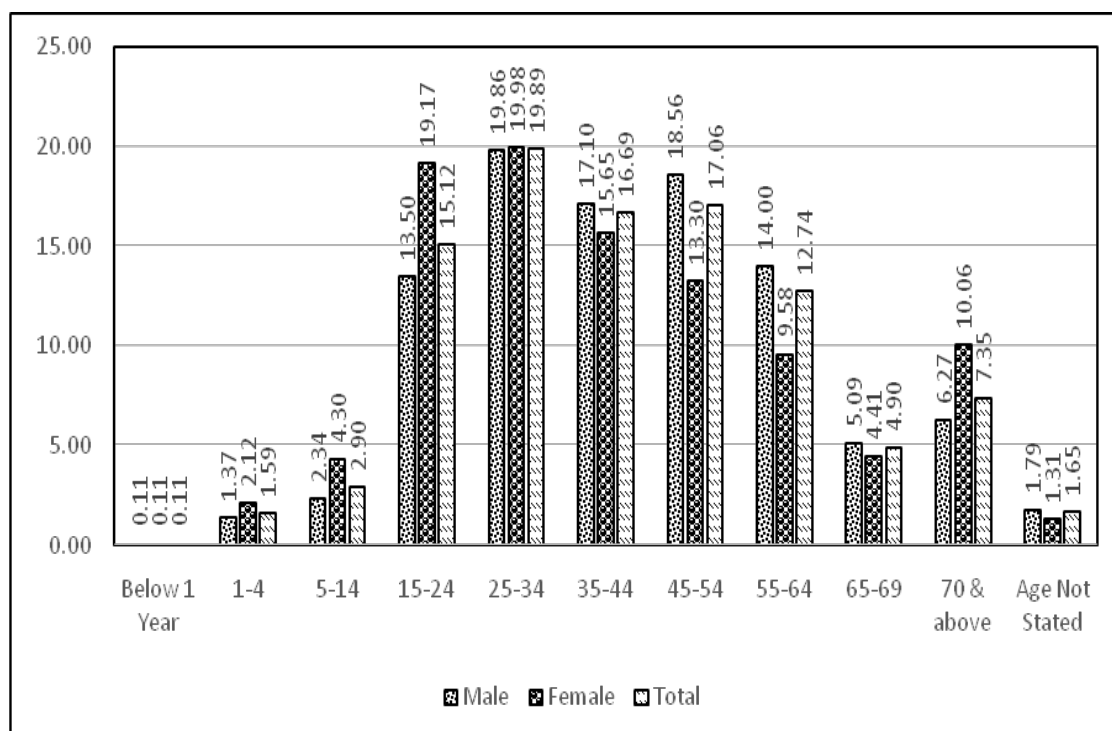
**3.9.1** As revealed from the **Statement-13** the highest share of deaths (19.89 per cent) is reported for the age group 25-34 years. This is followed by age groups 45-54 years (17.06 per cent) and 35-44 years (16.69 per cent). These three age-groups together accounts for about 53.64 per cent of deaths, 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-12**.

**Statement-13**  
**Age Distribution of Deaths due to Injury, Poisoning and Certain other**  
**Consequences of External causes Under MCCD-2019**

Sl. No	Age Group (in Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	10	0.11	4	0.11	14	0.11
2	1-4	123	1.37	76	2.12	199	1.59
3	5-14	210	2.34	154	4.30	364	2.90
4	15-24	1209	13.50	686	19.17	1895	15.12
5	25-34	1779	19.86	715	19.98	2494	19.89
6	35-44	1532	17.10	560	15.65	2092	16.69
7	45-54	1663	18.56	476	13.30	2139	17.06
8	55-64	1254	14.00	343	9.58	1597	12.74
9	65-69	456	5.09	158	4.41	614	4.90
10	70 & above	562	6.27	360	10.06	922	7.35
11	Age Not Stated	160	1.79	47	1.31	207	1.65
	<b>Total</b>	<b>8958</b>	<b>100.00</b>	<b>3579</b>	<b>100.00</b>	<b>12537</b>	<b>100.00</b>

**Chart – 12**

**AGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD-2019**



**3.9.2** Further analysis of deaths due to *‘Injury, Poisonings and Certain Other Consequences of External Causes’*, reveals that the absolute number of reported deaths caused by *‘Burns and Corrosion’* in case of females is more or equal to one and a half (1½) times to that of males (842 males and 1153 females). As detailed in the **Statement-14**, the highest number of deaths due to *‘Burns and Corrosion’* is concentrated in the age group 15-54 years, constituting around 72.33 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 65.71 per cent and 76.93 per cent respectively.

### Statement-14

#### AGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING, BURNS CORROSIONS AND OTHER INJURIES UNDER MCCD-2019

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	0.13	0.06	0.20
2	1-4	1.14	0.74	4.41
3	5-14	2.91	2.48	4.46
4	15-24	12.61	18.92	17.59
5	25-34	17.52	20.13	24.26
6	35-44	16.68	17.30	17.19
7	45-54	18.90	16.39	13.28
8	55-64	15.27	11.69	7.57
9	65-69	5.52	4.59	3.21
10	70 & above	7.32	6.05	6.62
11	Age Not Stated	2.00	1.65	1.20
	<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

**3.10 Neoplasms (II) :** The Fifth leading cause, “*Neoplasm*” which is commonly known as Cancer is responsible for 7.89 per cent of the total medically certified deaths. The share of deaths due to *Neoplasms* in total female deaths is 9.90 per cent as compared to the corresponding figure of 6.78 per cent in case of males. The distribution of major causes of deaths under the group is given in the **Statement-15** and depicted in **Chart-13**.



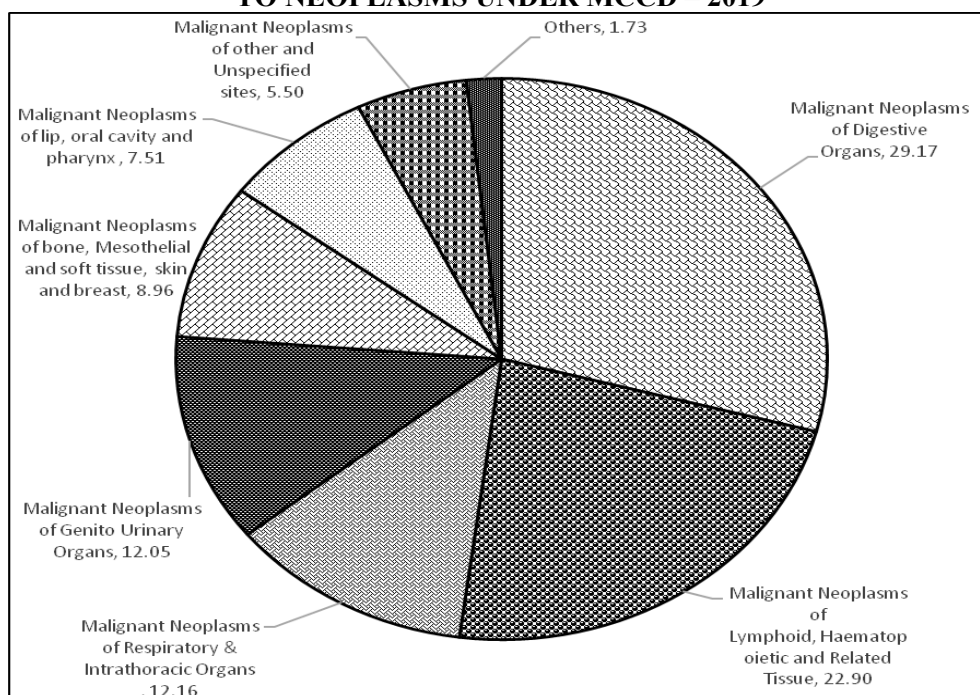
**Statement- 15**

**Distribution of Major Causes of Deaths Due to Neoplasms under MCCD–2019**

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Malignant Neoplasms of Digestive Organs	2224	33.01	1333	24.44	3557	29.17	2.30
2	Malignant Neoplasms of Lymphoid, Haematopoietic and Related Tissue	1820	27.01	972	17.82	2792	22.90	1.81
4	Malignant Neoplasms of Respiratory & Intrathoracic Organs	1005	14.92	478	8.76	1483	12.16	0.96
3	Malignant Neoplasms of Genito Urinary Organs	512	7.60	957	17.54	1469	12.05	0.95
6	Malignant Neoplasms of bone, Mesothelial and soft tissue, skin and breast	51	0.76	1042	19.10	1093	8.96	0.59
5	Malignant Neoplasms of lip, oral cavity and pharynx	615	9.13	301	5.52	916	7.51	0.71
7	Malignant Neoplasms of other and Unspecified sites	381	5.66	290	5.32	671	5.50	0.43
8	Others	129	1.91	82	1.50	211	1.73	0.14
	<b>Total Medically Certified Deaths due to Neoplasms</b>	<b>6737</b>	<b>100.00</b>	<b>5455</b>	<b>100.00</b>	<b>12192</b>	<b>100.00</b>	<b>7.89</b>
	Deaths due to Neoplasms as percentage to total medically certified deaths		<b>6.78</b>		<b>9.90</b>		<b>7.89</b>	

**CHART – 13**

**PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO NEOPLASMS UNDER MCCD – 2019**



**3.10.1** Among the Neoplasm deaths, '*Malignant Neoplasm of Digestive Organs*' accounts for the highest mortality of 29.17 percent, followed by '*Malignant of Lymphoid, haematopoietic & other related tissue*' (22.90 per cent), '*Malignant Neoplasms of Respiratory & Intrathoracic Organs*' (12.16 per cent), '*Malignant Neoplasm of Genito Urinary Organs*' (12.05 per cent). The share of deaths due to Malignant Neoplasms of Digestive Organs is in Male is 33.01 per cent as against 24.44 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 17.54 per cent as compared to 7.60 per cent of corresponding male deaths. In female deaths due to '*Malignant Neoplasm of Genito Urinary organs*' proportion of deaths due to Cervical cancer and Ovary is 84.95 per cent. Among female deaths caused by '**Malignant Neoplasms of bone, mesothelial and soft tissue, skin and breast**', 1014 (97.31 per cent) are due to breast cancer. Breast cancer alone accounts for around 18.59 per cent of total female Neoplasm deaths. Among deaths caused by '*Malignant Neoplasm of Respiratory and Intra Thoracic Organs*' about 93.19 per cent is due to Lung Cancer in male in their respective group. Lung Cancer alone accounts for around 13.81 per cent of total male Neoplasm deaths.

**3.10.2** The incidence of Neoplasm death is reported to be the highest i.e. 24.49 per cent in the age group above 70 years (25.55 per cent of males and 23.19 per cent of females), followed by the age group 55-64 years recording 23.47 per cent of deaths (23.38 per cent of males and 23.59 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-16** and **Chart-14**.

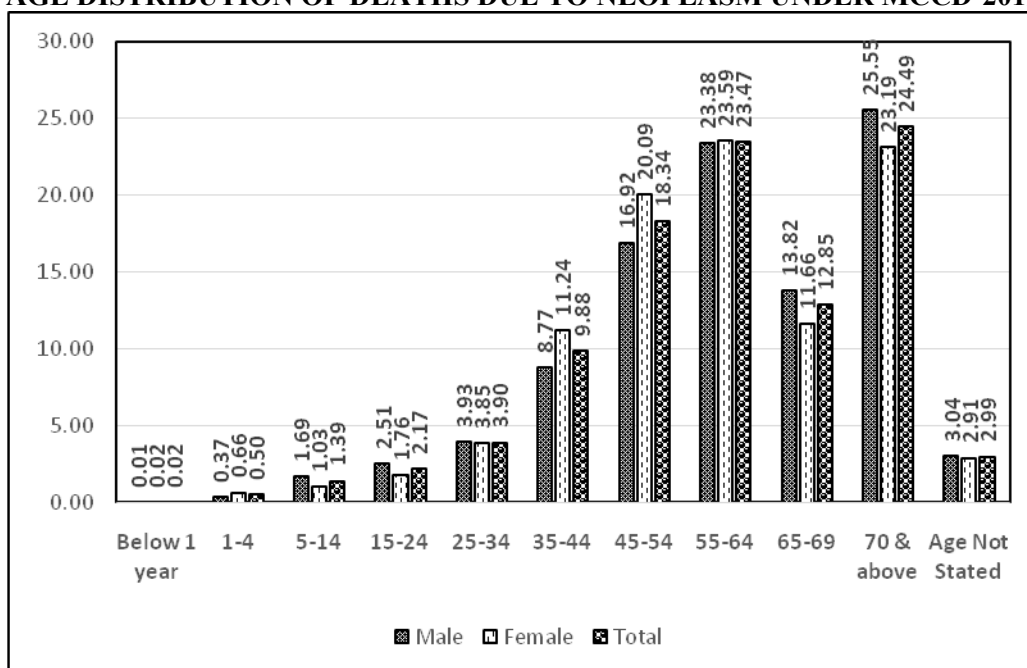
#### Statement- 16

##### Age Distribution of Deaths Due to Neoplasm Under MCCD-2019

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	1	0.01	1	0.02	2	0.02
2	1-4	25	0.37	36	0.66	61	0.50
3	5-14	114	1.69	56	1.03	170	1.39
4	15-24	169	2.51	96	1.76	265	2.17
5	25-34	265	3.93	210	3.85	475	3.90
6	35-44	591	8.77	613	11.24	1204	9.88
7	45-54	1140	16.92	1096	20.09	2236	18.34
8	55-64	1575	23.38	1287	23.59	2862	23.47
9	65-69	931	13.82	636	11.66	1567	12.85
10	70 & above	1721	25.55	1265	23.19	2986	24.49
11	Age Not Stated	205	3.04	159	2.91	364	2.99
	<b>Total</b>	<b>6737</b>	<b>100.00</b>	<b>5455</b>	<b>100.00</b>	<b>12192</b>	<b>100.00</b>

**CHART- 14**

**AGE DISTRIBUTION OF DEATHS DUE TO NEOPLASM UNDER MCCD-2019**



**3.11 Endocrine, Nutritional and Metabolic Diseases (IV) :** This is the Sixth leading cause group has contributed to 7.05 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 94.51 per cent of total deaths reported under the cause group. The share of Diabetes Mellitus in total medically certified deaths is 6.67 percent. The distribution of major causes of deaths under this group is given in **Statement-17** and is depicted in the **Chart-15**.

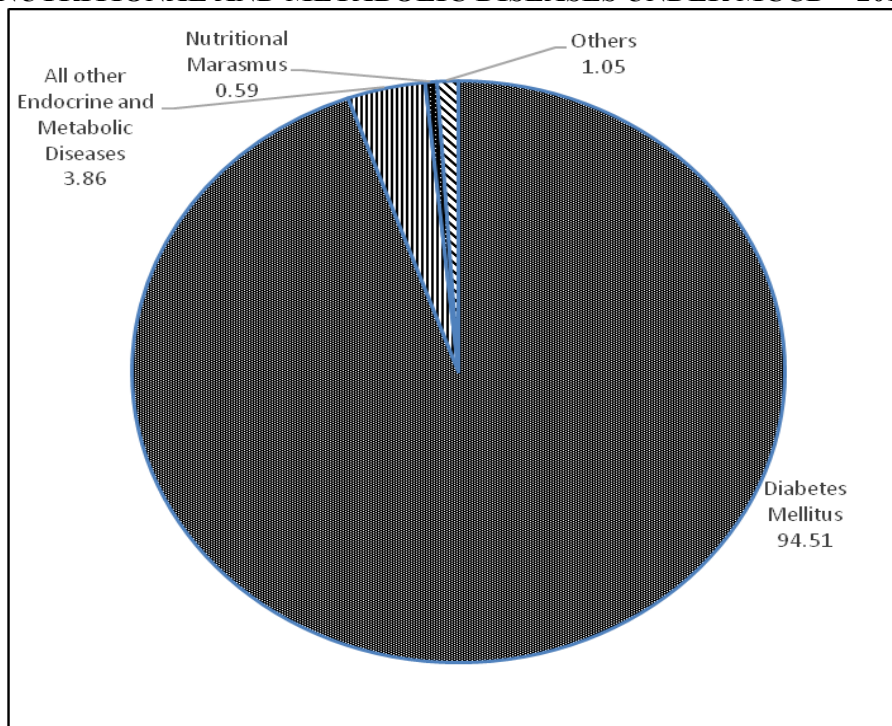
**Statement – 17**

**Distribution of Deaths due to Endocrine, Nutritional and Metabolic Diseases under MCCD – 2019**

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diabetes Mellitus	6242	94.20	4060	94.97	10302	94.51	6.67
2	All other Endocrine and Metabolic Diseases	280	4.23	141	3.30	421	3.86	0.27
3	Nutritional Marasmus	45	0.68	19	0.44	64	0.59	0.04
4	Others	59	0.89	55	1.29	114	1.05	0.07
	<b>Total Medically Certified Deaths due to Endocrine, Nutritional and Metabolic Diseases</b>	<b>6626</b>	<b>100.00</b>	<b>4275</b>	<b>100.00</b>	<b>10901</b>	<b>100.00</b>	<b>7.05</b>
	Deaths due to Diseases of Endocrine, Nutritional and metabolic Diseases as percentage to total medically certified deaths		<b>6.66</b>		<b>7.76</b>		<b>7.05</b>	

**Chart – 15**

**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES UNDER MCCD – 2019**



**3.11.1** The incidence of '*Diabetes Mellitus*' death is reported to be the highest for the age group 70 and above (34.18 per cent). The **Statement-18** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 87.96 per cent of the total Diabetes Mellitus deaths under MCCD.

**Statement – 18**

**Age Distribution of Deaths Due to Diabetes Mellitus Under MCCD – 2019**

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	25	0.40	26	0.64	51	0.50
4	15-24	49	0.79	35	0.86	84	0.82
5	25-34	150	2.40	64	1.58	214	2.08
6	35-44	335	5.37	165	4.06	500	4.85
7	45-54	919	14.72	559	13.77	1478	14.35
8	55-64	1441	23.09	840	20.69	2281	22.14
9	65-69	1049	16.81	733	18.05	1782	17.30
10	70 & above	1983	31.77	1538	37.88	3521	34.18
11	Age Not Stated	291	4.66	100	2.46	391	3.80
	<b>Total</b>	<b>6242</b>	<b>100.00</b>	<b>4060</b>	<b>100.00</b>	<b>10302</b>	<b>100.00</b>

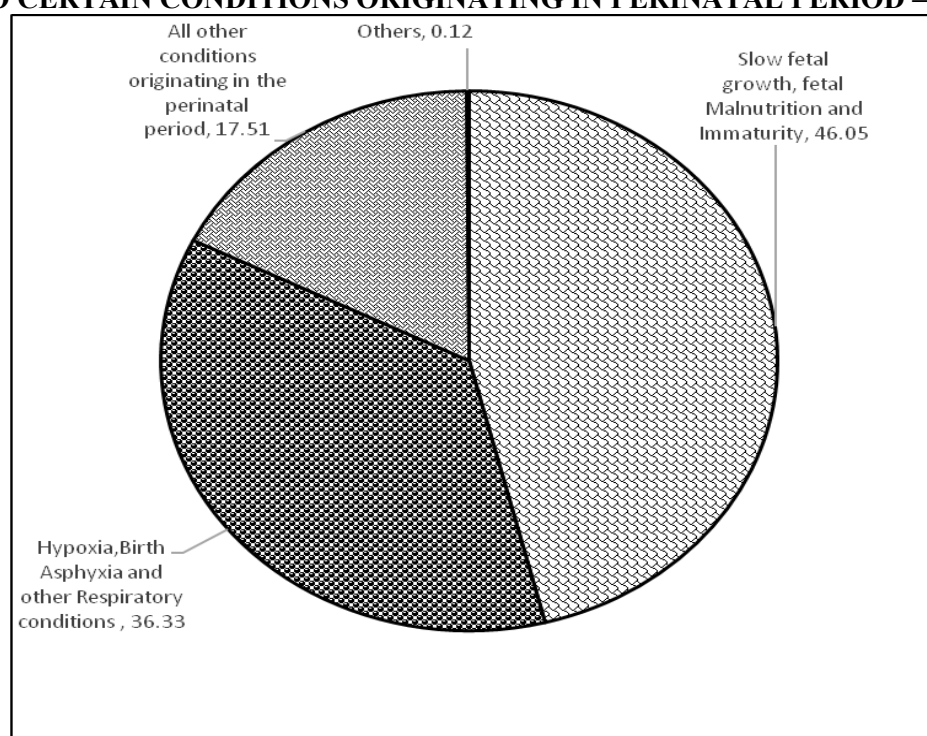
### 3.12 Certain Conditions Originating in the Perinatal Period (XVI):

The group of diseases relating to '*Certain conditions originating in the Perinatal Period*' is the Seventh leading cause of death, accounting 6.67 per cent of the total medically certified deaths. This has contributed to 6.11 per cent of male and 7.68 per cent of female medically certified deaths. The distribution of major causes of deaths under this group is shown in the **Statement-19** and is portrayed in the **Chart-16**.

**Statement- 19**  
**Distribution of Deaths due to Certain Conditions Originating in the Perinatal Period Under MCCD-2019**

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Slow fetal growth, fetal Malnutrition and Immaturity	2800	46.07	1948	46.02	4748	46.05	3.07
2	Hypoxia, Birth Asphyxia and other Respiratory conditions	2219	36.51	1527	36.07	3746	36.33	2.42
3	All other conditions originating in the perinatal period	1050	17.28	755	17.84	1805	17.51	1.17
4	Others	9	0.15	3	0.07	12	0.12	0.01
	<b>Total Medically Certified Deaths due to certain Conditions Originating in the Perinatal Period</b>	<b>6078</b>	<b>100.00</b>	<b>4233</b>	<b>100.00</b>	<b>10311</b>	<b>100.00</b>	<b>6.67</b>
	Deaths due to certain Conditions Originating in the Perinatal Period as percentage to total Medically Certified Deaths		<b>6.11</b>		<b>7.68</b>		<b>6.67</b>	

**Chart – 16**  
**PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD –2019**

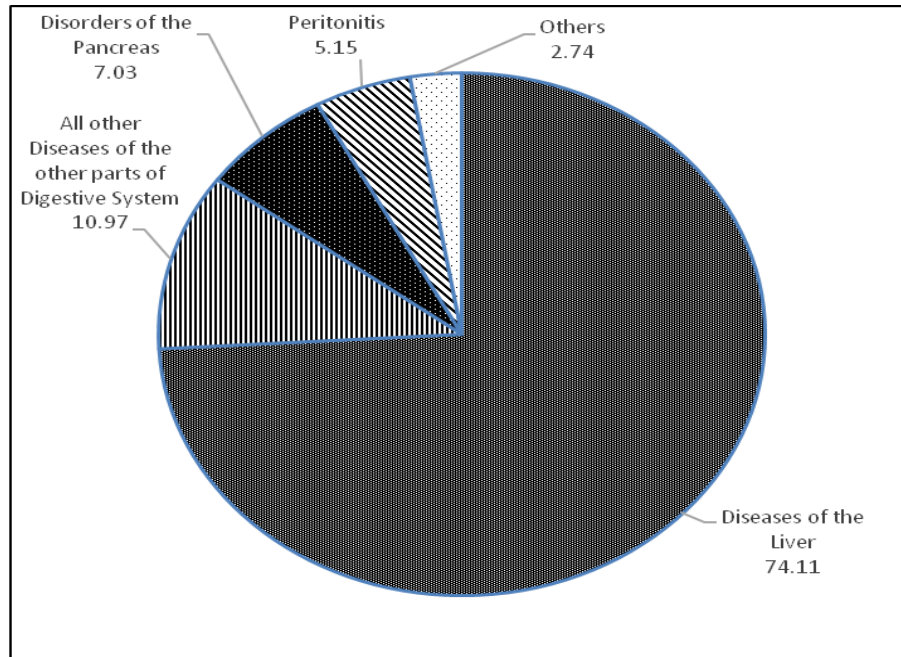


**3.13 Diseases of the Digestive System (XI):** The major group comprising ‘*Diseases of Digestive system*’ is the Eighth leading cause group, responsible for 6.09 per cent of the total medically certified deaths with 7.49 per cent of male and 3.55 per cent of female deaths. The percentage of male digestive 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-20** and is highlighted in **Chart-17**.

**Statement – 20**  
**Distribution of Deaths due to Digestive System Under MCCD-2019**

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diseases of the Liver	5649	75.84	1321	67.54	6970	74.11	4.51
2	All other Diseases of the other parts of Digestive System	730	9.80	302	15.44	1032	10.97	0.67
3	Disorders of the Pancreas	558	7.49	103	5.27	661	7.03	0.43
4	Peritonitis	331	4.44	153	7.82	484	5.15	0.31
5	Others	181	2.43	77	3.94	258	2.74	0.17
	<b>Total Medically Certified Deaths due to Digestive System</b>	<b>7449</b>	<b>100.00</b>	<b>1956</b>	<b>100.00</b>	<b>9405</b>	<b>100.00</b>	<b>6.09</b>
	Deaths due to Diseases of Digestive System as percentage to total medically certified deaths		<b>7.49</b>		<b>3.55</b>		<b>6.09</b>	

**CHART – 17**  
**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DIGESTIVE SYSTEM**  
**UNDER MCCD - 2019**



**3.13.1** Among the deaths due to disorders of digestive system, *‘Diseases of the Liver’* account for 74.11 per cent of the total medically certified deaths in this group. The share of liver diseases is about 4.5 per cent among the total medically certified deaths. *‘All other Diseases of the other parts of the Digestive System’* and *‘Disorders of the Pancreas’* also have responsible for 10.97 per cent and 7.03 per cent of total deaths under this major cause group.

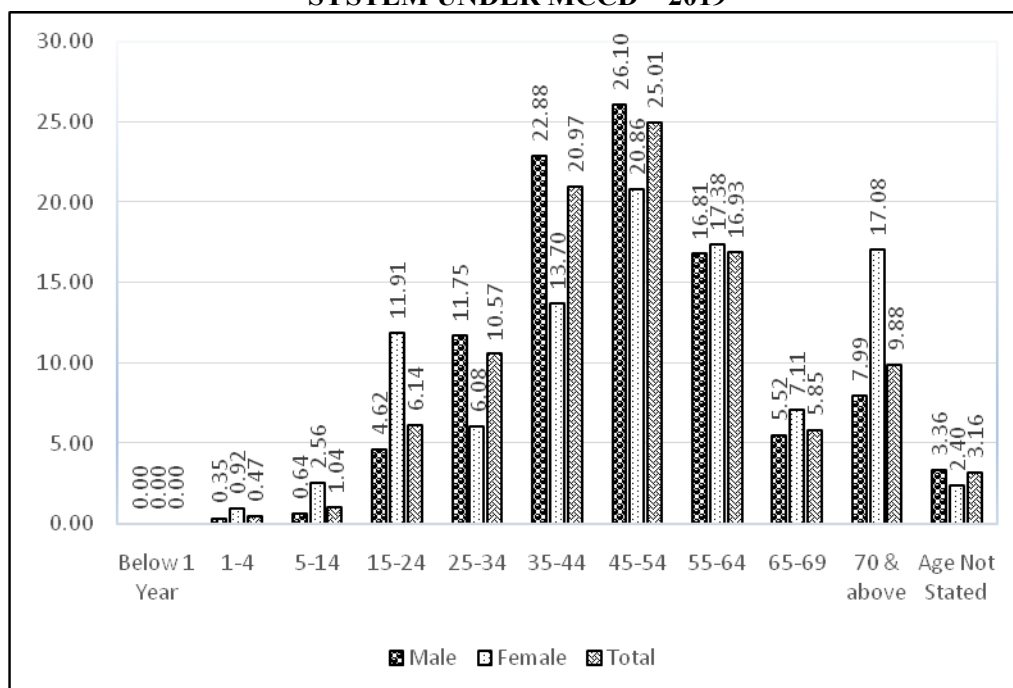
**3.13.2** The **Statement- 21** reveals that the age group ‘45-54 years’ have reported the maximum deaths (25.01 per cent) under the major group *‘Diseases of Digestive System’*. As high as 89.20 per cent of the total deaths caused by digestive system disorder are concentrated in the age-group 25 years and above. This is highlighted in **Chart-18**.

**Statement - 21**  
**Age Distribution of Deaths due to Digestive System Under**  
**MCCD-2019**

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	26	0.35	18	0.92	44	0.47
3	5-14	48	0.64	50	2.56	98	1.04
4	15-24	344	4.62	233	11.91	577	6.14
5	25-34	875	11.75	119	6.08	994	10.57
6	35-44	1704	22.88	268	13.70	1972	20.97
7	45-54	1944	26.10	408	20.86	2352	25.01
8	55-64	1252	16.81	340	17.38	1592	16.93
9	65-69	411	5.52	139	7.11	550	5.85
10	70 & above	595	7.99	334	17.08	929	9.88
11	Age Not Stated	250	3.36	47	2.40	297	3.16
	<b>Total</b>	<b>7449</b>	<b>100.00</b>	<b>1956</b>	<b>100.00</b>	<b>9405</b>	<b>100.00</b>

**CHART - 18**

**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF DIGESTIVE SYSTEM UNDER MCCD – 2019**



**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 (85.17 per cent) under the ‘*Genitourinary System*’ disease with the overall share of 4.06 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**

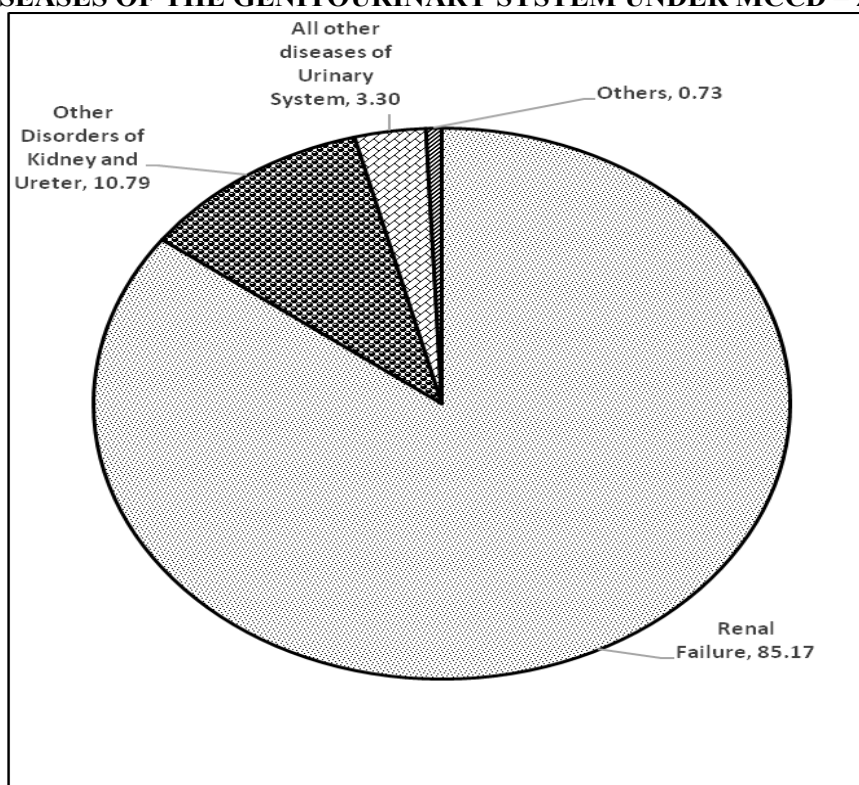
**Distribution of Major Causes of Deaths Due to Diseases of the Genitourinary System Under MCCD – 2019**

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Renal Failure	4054	85.56	2219	84.47	6273	85.17	<b>4.06</b>
2	Other Disorders of Kidney and Ureter	516	10.89	279	10.62	795	10.79	<b>0.51</b>
3	All other diseases of Urinary System	135	2.85	108	4.11	243	3.30	<b>0.16</b>
4	Others	33	0.70	21	0.80	54	0.73	<b>0.03</b>
	<b>Total Medically Certified Deaths due to Genito-urinary System</b>	<b>4738</b>	<b>100.00</b>	<b>2627</b>	<b>100.00</b>	<b>7365</b>	<b>100.00</b>	<b>4.77</b>
	Deaths due to Diseases of Genitourinary System as percentage to total Medically certified Deaths		<b>4.76</b>		<b>3.39</b>		<b>4.77</b>	



**CHART – 19**

**PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE GENITOURINARY SYSTEM UNDER MCCD – 2019**



**3.14.1** The incidence of '*Renal failure*' death is reported to be, the highest for the age '*70 and above years*' (35.50 per cent). The **Statement-23** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 87.01 per cent of total deaths reported under MCCD due to renal failure.

**Statement – 23**

**Age Distribution of Deaths Due to Renal Failure Under MCCD-2019**

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	22	0.54	15	0.68	37	0.59
4	15-24	17	0.42	17	0.77	34	0.54
5	25-34	24	0.59	18	0.81	42	0.67
6	35-44	362	8.93	206	9.28	568	9.05
7	45-54	731	18.03	371	16.72	1102	17.57
8	55-64	953	23.51	457	20.59	1410	22.48
9	65-69	472	11.64	247	11.13	719	11.46
10	70 & above	1373	33.87	854	38.49	2227	35.50
11	Age Not stated	100	2.47	34	1.53	134	2.14
	<b>Total</b>	<b>4054</b>	<b>100.00</b>	<b>2219</b>	<b>100.00</b>	<b>6273</b>	<b>100.00</b>

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

This leading major cause group responsible for 2.96 per cent of the total medically certified deaths of which 3.00 per cent of males and 2.87 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-24. "All other Symptoms, Signs and Abnormal Clinical & Laboratory Findings Not Elsewhere Classified"** accounted for 60.78 per cent of the total deaths in this group.

#### Statement-24

#### Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not Elsewhere Classified Under MCCD-2019

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	1948	65.19	829	52.44	2777	60.78	1.80
2	Senility	683	22.86	600	37.95	1283	28.08	0.83
3	Others	357	11.95	152	9.61	509	11.14	0.33
	<b>Total medically Certified Deaths due to Symptoms Signs and Abnormal Clinical &amp; Laboratory Findings not elsewhere classified</b>	<b>2988</b>	<b>100.00</b>	<b>1581</b>	<b>100.00</b>	<b>4569</b>	<b>100.00</b>	<b>2.96</b>
	Deaths due to Diseases of Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified as percentage to total medically certified deaths		<b>3.00</b>		<b>2.87</b>		<b>2.96</b>	

**3.15.1** As shown in the **Statement-25** the highest incidence of deaths (60.43 per cent) is reported for the age group 70 years and above. The age group "45 years and above" contributed nearly 82.40 per cent of total mortality reported under this cause group.

### Statement-25

#### Age Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified Under MCCD -2019

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	41	1.37	30	1.90	71	1.55
3	5-14	17	0.57	12	0.76	29	0.63
4	15-24	46	1.54	30	1.90	76	1.66
5	25-34	111	3.71	52	3.29	163	3.57
6	35-44	167	5.59	66	4.17	233	5.10
7	45-54	290	9.71	103	6.51	393	8.60
8	55-64	283	9.47	89	5.63	372	8.14
9	65-69	152	5.09	87	5.50	239	5.23
10	70 & above	1725	57.73	1036	65.53	2761	60.43
11	Age Not Stated	156	5.22	76	4.81	232	5.08
	<b>Total</b>	<b>2988</b>	<b>100.00</b>	<b>1581</b>	<b>100.00</b>	<b>4569</b>	<b>100.00</b>

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

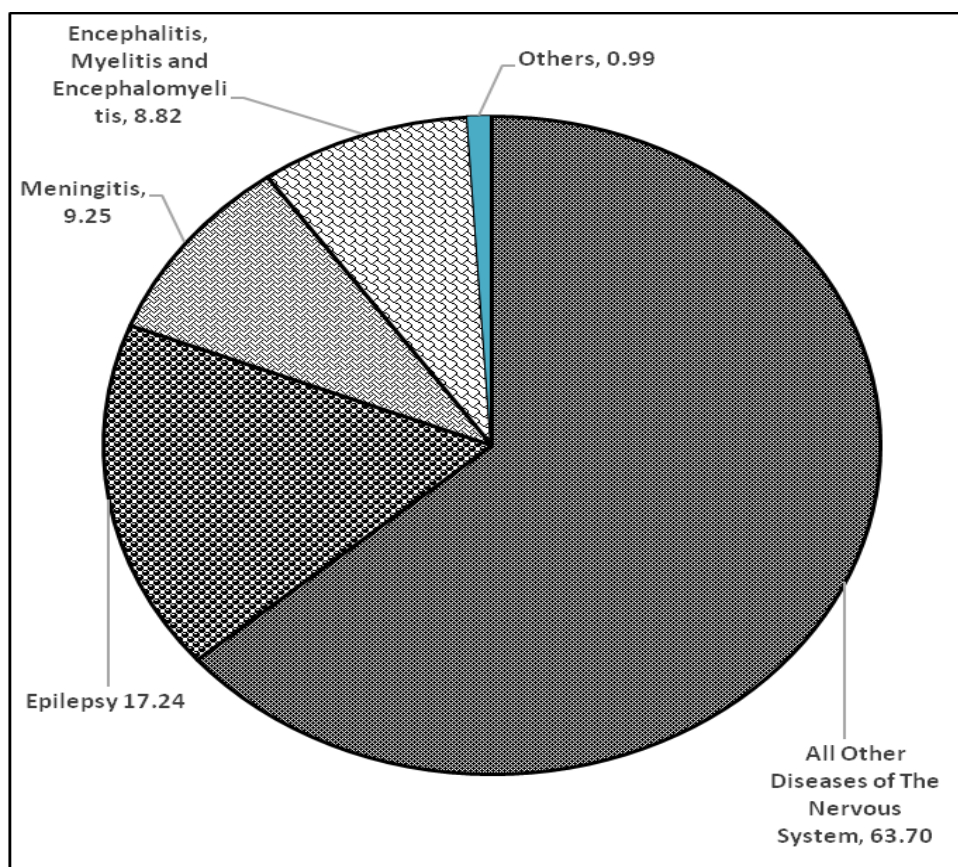
The cause group of Diseases of Nervous System is responsible for 2.56 per cent of the total medically certified deaths. The distribution of major causes of deaths under this group is shown in the **Statement-26** and is highlighted in **Chart-20**

#### Statement - 26

#### Distribution of Major Causes of Deaths due to Diseases of the Nervous System under MCCD – 2019

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	All Other Diseases of The Nervous System	1576	62.79	944	65.28	2520	63.70	<b>1.63</b>
2	Epilepsy	456	18.17	226	15.63	682	17.24	<b>0.44</b>
3	Meningitis	229	9.12	137	9.47	366	9.25	<b>0.24</b>
4	Encephalitis, Myelitis and Encephalomyelitis	230	9.16	119	8.23	349	8.82	<b>0.23</b>
5	Others	19	0.76	20	1.38	39	0.99	<b>0.03</b>
	<b>Total Medically Certified Deaths due to Diseases of Nervous System</b>	<b>2510</b>	<b>100.00</b>	<b>1446</b>	<b>100.00</b>	<b>3956</b>	<b>100.00</b>	<b>2.56</b>
	Deaths due to Diseases of Nervous System as percentage to total Medically Certified Deaths		<b>2.52</b>		<b>2.62</b>		<b>2.56</b>	

**Chart-20**  
**PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDER MCCD - 2019**



*'All other Diseases of the Nervous System'* accounts for the maximum (63.70 per cent) deaths reported under this group, followed by *'Epilepsy'* (17.24 per cent) and *'Meningitis'* (9.25 per cent). The share of *'Epilepsy'* in the total medically certified deaths is about 0.44 per cent.

**3.16.1** The age group '70 & above' has reported the maximum deaths (20.10 per cent) under the major group *'Diseases of the Nervous System'*, this is followed by age groups 55-64 and 45-54 years have 16.03 per cent and 15.52 per cent respectively. Viewed from the angle of age, it affects worstly the age group below 1 year (1.82 per cent). The distribution of age-wise deaths is depicted in **Statement-27** and **Chart-21**.

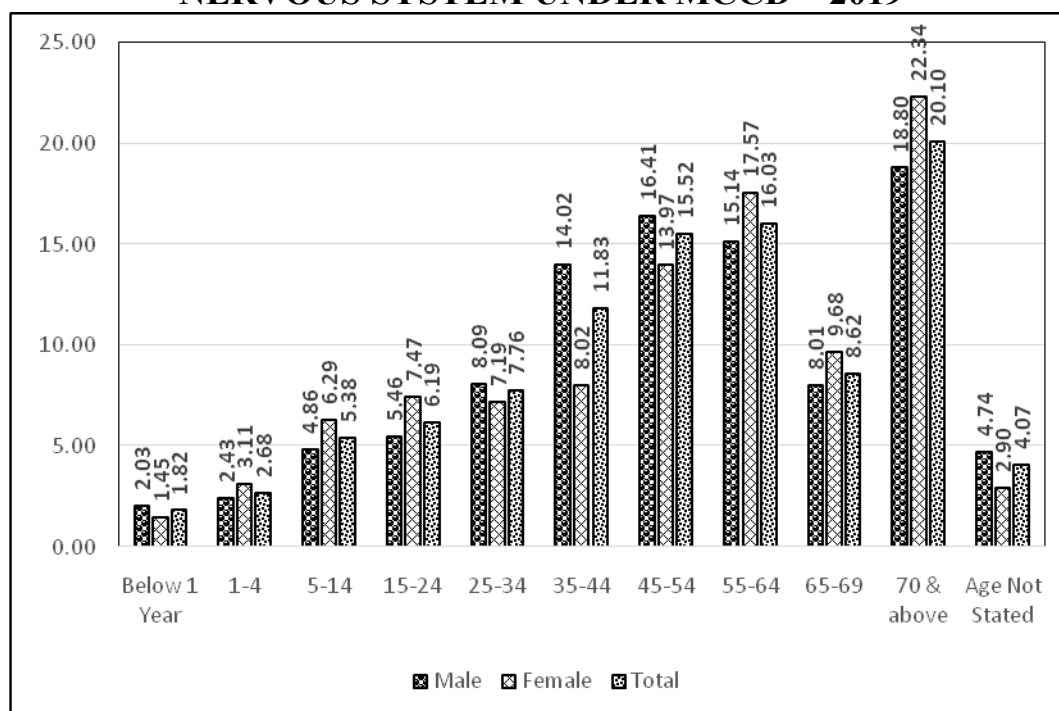
### Statement – 27

#### Age-wise Distribution of Deaths Due to Diseases of the Nervous System Under MCCD - 2019

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	51	2.03	21	1.45	72	1.82
2	1-4	61	2.43	45	3.11	106	2.68
3	5-14	122	4.86	91	6.29	213	5.38
4	15-24	137	5.46	108	7.47	245	6.19
5	25-34	203	8.09	104	7.19	307	7.76
6	35-44	352	14.02	116	8.02	468	11.83
7	45-54	412	16.41	202	13.97	614	15.52
8	55-64	380	15.14	254	17.57	634	16.03
9	65-69	201	8.01	140	9.68	341	8.62
10	70 & above	472	18.80	323	22.34	795	20.10
11	Age Not Stated	119	4.74	42	2.90	161	4.07
	<b>Total</b>	<b>2510</b>	<b>100.00</b>	<b>1446</b>	<b>100.00</b>	<b>3956</b>	<b>100.00</b>

Chart- 21

#### AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDER MCCD – 2019



### 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 1.73 per cent of the total medically certified deaths. This cause group accounts for 1.42 per cent of total male and 2.29 per cent of total female medically certified deaths. “*Other Anaemias*” is the major cause constitutes around 93.08 per cent of total deaths reported in the cause group and 1.61 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-2019

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Anaemias	1301	92.07	1187	94.21	2488	93.08	1.61
2	All other Diseases of Blood & Blood forming organs	102	7.22	62	4.92	164	6.14	0.11
3	Others	10	0.71	11	0.87	21	0.79	0.01
	<b>Total medically Certified Deaths due to Blood and Blood forming organs and Immunity Mechanism</b>	<b>1413</b>	<b>100.00</b>	<b>1260</b>	<b>100.00</b>	<b>2673</b>	<b>100.00</b>	<b>1.73</b>
	Deaths due to Diseases of Blood and Blood forming organs and Immunity Mechanism as percentage to total medically certified deaths		<b>1.42</b>		<b>2.29</b>		<b>1.73</b>	

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

Merely 2652 deaths are reportedly caused by ‘*Congenital Malformations, deformations and Chromosomal abnormalities*’, constituting about 1.72 per cent of the total medically certified deaths. The majority of these deaths occur for age less than one year (1440 or 54.30 per cent). Under this cause group, about 79.37 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 – 2019

Sl. No	Cause of Death	Age Group (In years)			Percentage to total
		<1	1 year and above	Total	
			(Including age not specified)		
1	Spina Bifida	19	0	19	0.72
2	Congenital Malformations of the Circulatory System	1101	1004	2105	79.37
3	Cleft Lip and Cleft Palate	0	0	0	0.00
4	All other Congenital Malformations, Deformations & Chromosomal Abnormalities	320	208	528	19.91
	<b>Total</b>	<b>1440</b>	<b>1212</b>	<b>2652</b>	
	<b>Percentage to Total</b>	<b>54.30</b>	<b>45.70</b>	<b>100.00</b>	

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

These diseases account for 984 medically certified deaths (0.64 per cent of the total medically certified deaths). This cause group accounts for 0.70 per cent of total male and 0.52 per cent of total female medically certified deaths. About 93.50 per cent of the deaths under the cause group are caused by *'Infections of the Skin and Subcutaneous Tissue'* (878 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 266 deaths (0.48 per cent of the total female medically certified deaths). As high as 97.00 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 3.00 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 – 2019**

Sl. No	Cause of Death	No.	%	% to total female Medically Certified Deaths
1	Other Direct Obstetric Deaths	252	94.74	0.46
2	Pregnancy with Abortive Outcome	8	3.01	0.01
3	Other Obstetric Conditions not elsewhere Classified	6	2.26	0.01
	<b>Total Medically Certified Deaths due to Complication of Pregnancy, Childbirth and Puerperium</b>	<b>266</b>	<b>100.00</b>	<b>0.48</b>

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

This has caused only 226 deaths i.e. around 0.15 per cent of total medically certified deaths.

**3.22 Mental and Behavioural Disorders (V)**

The group relating to Mental and Behavioural disorders accounts for 84 deaths (0.05 per cent of total medically certified deaths). The age group 25-64 years constitutes around 84.52 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 (72.62 per cent) of total deaths. The ratio of males to females was disproportionate in this group (68 males to 16 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 – 2019**

Sl. No	Cause of Death	Age Group								% to Total
		<15	15-24	25-34	35-44	45-54	55-64	Others	Total	
1	Mental And Behavioural Disorders due to Psychoactive Substance use	0	0	12	14	12	16	7	61	72.62
2	Schizophrenia, Schizotypal & Delusional Disorders	0	0	2	4	2	4	2	14	16.66
3	All Other Mental Behavioural Disorders	1	1	0	1	0	4	2	9	10.71
	<b>Total</b>	<b>1</b>	<b>1</b>	<b>14</b>	<b>19</b>	<b>14</b>	<b>24</b>	<b>11</b>	<b>84</b>	<b>100.00</b>
	<b>Percentage to total</b>	<b>1.19</b>	<b>1.2</b>	<b>16.67</b>	<b>22.62</b>	<b>16.67</b>	<b>28.57</b>	<b>13.10</b>	<b>100.00</b>	

**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. 4 and 2 deaths occurred respectively due to this disease.



## 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- thirteenth 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 7.11 per cent and 8.75 per cent respectively. The maximum incidence of death under this age group (86.75 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** (82.38 per cent). This is followed by '*Congenital Malformations, Deformations & Chromosomal Abnormalities*' (12.12 per cent) of which *Congenital Malformations of the Circulatory System* (79.37 per cent) is the major constituent. '*Diseases of the Nervous System (G00-G98)*' which constitute to about 0.61 per cent of the total infant deaths, assume third rank, having *Meningitis* (84.72 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**.

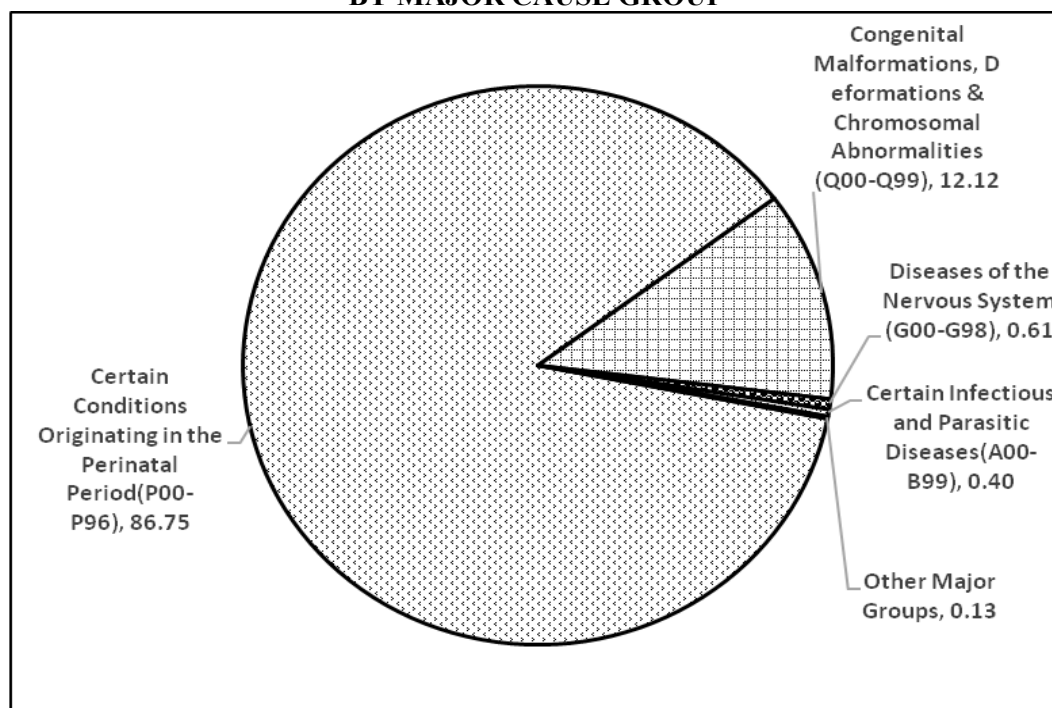
#### Statement – 32

##### Distribution of Mortality among Infants by Major Cause Group -2019

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Conditions Originating in the Perinatal Period(P00-P96)	6078	85.99	4233	87.86	10311	86.75
2	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	897	12.69	543	11.27	1440	12.12
3	Diseases of the Nervous System (G00-G98)	51	0.72	21	0.44	72	0.61
4	Certain Infectious and Parasitic Diseases(A00-B99)	31	0.44	16	0.33	47	0.40
5	Other Major Groups	11	0.16	5	0.10	16	0.13
	<b>Total Medically Certified Deaths in the age group &lt;1 Year</b>	<b>7068</b>	<b>100.00</b>	<b>4818</b>	<b>100.00</b>	<b>11886</b>	<b>100.00</b>
	Deaths in the age group <1 year as percentage to total Medically certified deaths		<b>7.11</b>		<b>8.75</b>		<b>7.69</b>

**Chart – 22**

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

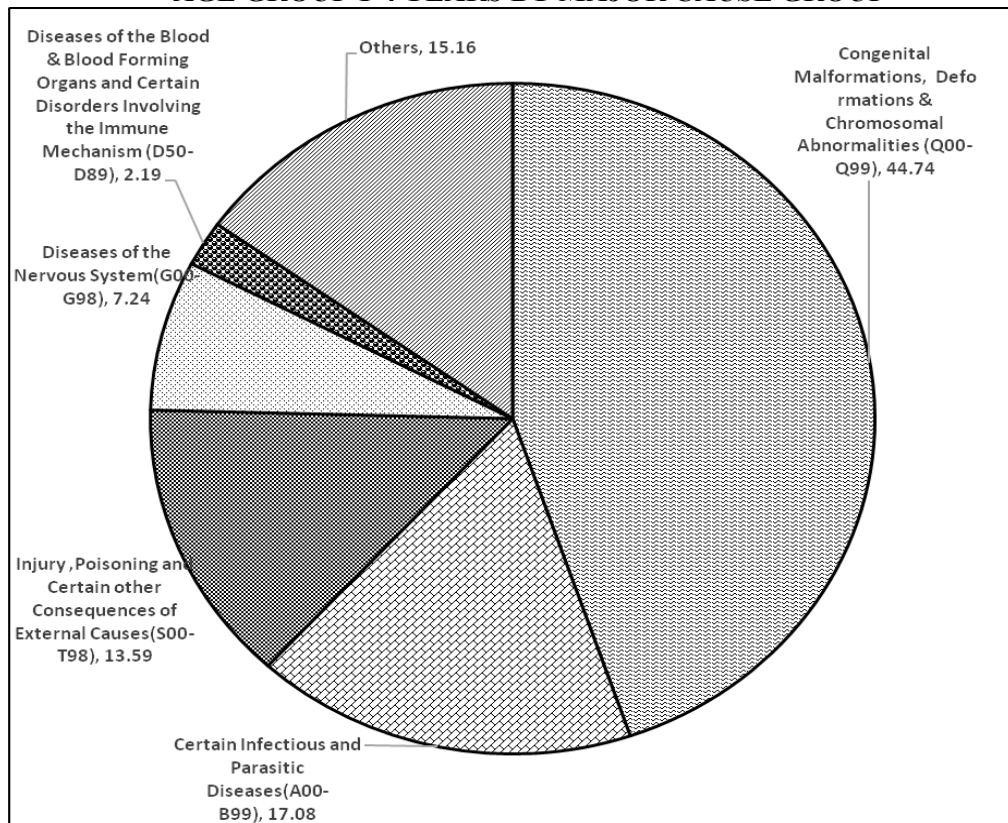


**4.2 Children aged 1-4 year :** Of the total medically certified deaths, 0.95 per cent has been reported from this age-group, accounting for 0.86 per cent and 1.11 per cent of total male and female medically certified deaths respectively. **‘Congenital Malformations, Deformations and Chromosomal Abnormalities’** rank first, constituting 44.74 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 78.63 per cent of the deaths in Congenital Abnormalities group. **‘Certain infectious and Parasitic Diseases’** is the second leading cause contribute around 17.08 per cent of total medically certified deaths in the age group. ***Diarrhoea and Gastro enteritis of Presumed Infectious Origin*** (12.80 per cent), ***Septicaemia*** (34.40 per cent) and ***Other Arthropod Born Viral Fevers and Viral Haemorrhagic fevers*** (22.80 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 13.59 per cent of deaths in this age group. **‘Burns and Corrosions’** have taken about **44.23** 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 - 2019**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Congenital Malformations, Deformations & Chromosomal Abnormalities (Q00-Q99)	381	44.56	274	44.99	655	44.74
2	Certain Infectious and Parasitic Diseases(A00-B99)	149	17.43	101	16.58	250	17.08
3	Injury ,Poisoning and Certain other Consequences of External Causes (S00-T98)	123	14.39	76	12.48	199	13.59
4	Diseases of the Nervous System(G00-G98)	61	7.13	45	7.39	106	7.24
5	Diseases of the Blood & Blood Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	21	2.46	11	1.81	32	2.19
6	Others	120	14.04	102	16.75	222	15.16
	<b>Total Medically Certified Deaths in the age group 1-4 Years</b>	<b>855</b>	<b>100.00</b>	<b>609</b>	<b>100.00</b>	<b>1464</b>	<b>100.00</b>
	Deaths in the age group 1-4 year as percentage to total Medically certified deaths		<b>0.86</b>		<b>1.11</b>		<b>0.95</b>

**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, 8.64 per cent has been reported from this age-group, accounting for 7.97 per cent and 9.85 per cent of total male and female medically certified deaths respectively. *‘Certain Conditions Originating in the Perinatal Period’* cause 77.24 per cent of deaths among this age group. *‘Congenital Malformations and Chromosomal Abnormalities’* caused 15.69 per cent of deaths followed by *‘Certain infectious and Parasitic Diseases’* 2.22 per cent, *‘Injury, Poisoning and Certain other Consequences of External Causes’* 1.60 per cent and *‘Diseases of Nervous System’* 1.33 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 - 2019**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Conditions Originating in the Perinatal Period(P00-P96)	6078	76.71	4233	78.00	10311	77.24
2	Congenital Malformations, Deformations & Chromosomal Abnormalities (Q00-Q99)	1278	16.13	817	15.05	2095	15.69
3	Certain Infectious and Parasitic Diseases (A00-B99)	180	2.27	117	2.16	297	2.22
4	Injury ,Poisoning and Certain other Consequences of External Causes (S00-T98)	133	1.68	80	1.47	213	1.60
5	Diseases of the Nervous System (G00-G98)	112	1.41	66	1.22	178	1.33
6	Diseases of the Blood & Blood Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	21	0.27	11	0.20	32	0.24
7	Others	121	1.53	103	1.90	224	1.68
	<b>Total Medically Certified Deaths in the age group 0-4 Years</b>	<b>7923</b>	<b>100.00</b>	<b>5427</b>	<b>100.00</b>	<b>13350</b>	<b>100.00</b>
	Deaths in the age group 0-4 year as percentage to total Medically certified deaths		<b>7.97</b>		<b>9.85</b>		<b>8.64</b>

**4.3 Children aged 5-14 years:** The share of this age group in the total medically certified deaths is 1.48 per cent, and the share of Male and Female medically certified deaths are 1.32 per cent and 1.77 per cent to the total medically certified deaths respectively. Of the total reported deaths under this age group, the share of *‘Congenital Malformation, Deformation & Chromosomal Abnormalities’* (24.42 per cent), followed by *‘Certain infectious and Parasitic Diseases’* is 20.43 per cent *‘Injury, poisoning & Certain Other Consequences of External Causes (15.96 per cent), Diseases of the Nervous System (9.34 per cent), Diseases of the Respiratory System (7.67 per cent), Neoplasm (7.45 per cent)* and. The Distribution of mortality in

the age group 5-14 years, by major cause groups is given in **Statement- 35** and **Chart - 24**.

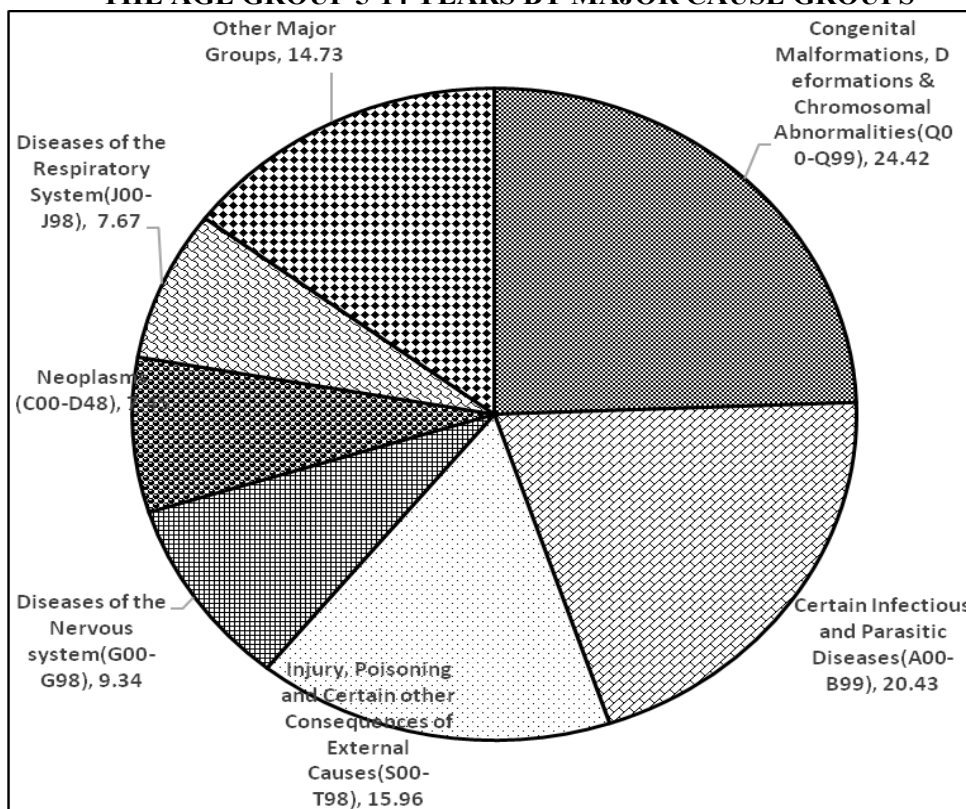
**Statement – 35**

**Distribution of Mortality among children in the Age Group 5-14 years by Major Cause group-2019**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	317	24.24	240	24.67	557	24.42
2	Certain Infectious and Parasitic Diseases(A00-B99)	254	19.42	212	21.79	466	20.43
3	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	210	16.06	154	15.83	364	15.96
4	Diseases of the Nervous system (G00-G98)	122	9.33	91	9.35	213	9.34
5	Diseases of the Respiratory System(J00-J98)	108	8.26	67	6.89	175	7.67
6	Neoplasms (C00-D48)	114	8.72	56	5.76	170	7.45
7	Other Major Groups	183	13.99	153	15.72	336	14.73
	<b>Total Medically Certified Deaths in the age group 5-14 Year</b>	<b>1308</b>	<b>100.00</b>	<b>973</b>	<b>100.00</b>	<b>2281</b>	<b>100.00</b>
	Deaths in the age group 5-14 year as percentage to total Medically certified deaths		<b>1.32</b>		<b>1.77</b>		<b>1.48</b>

**CHART – 24**

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



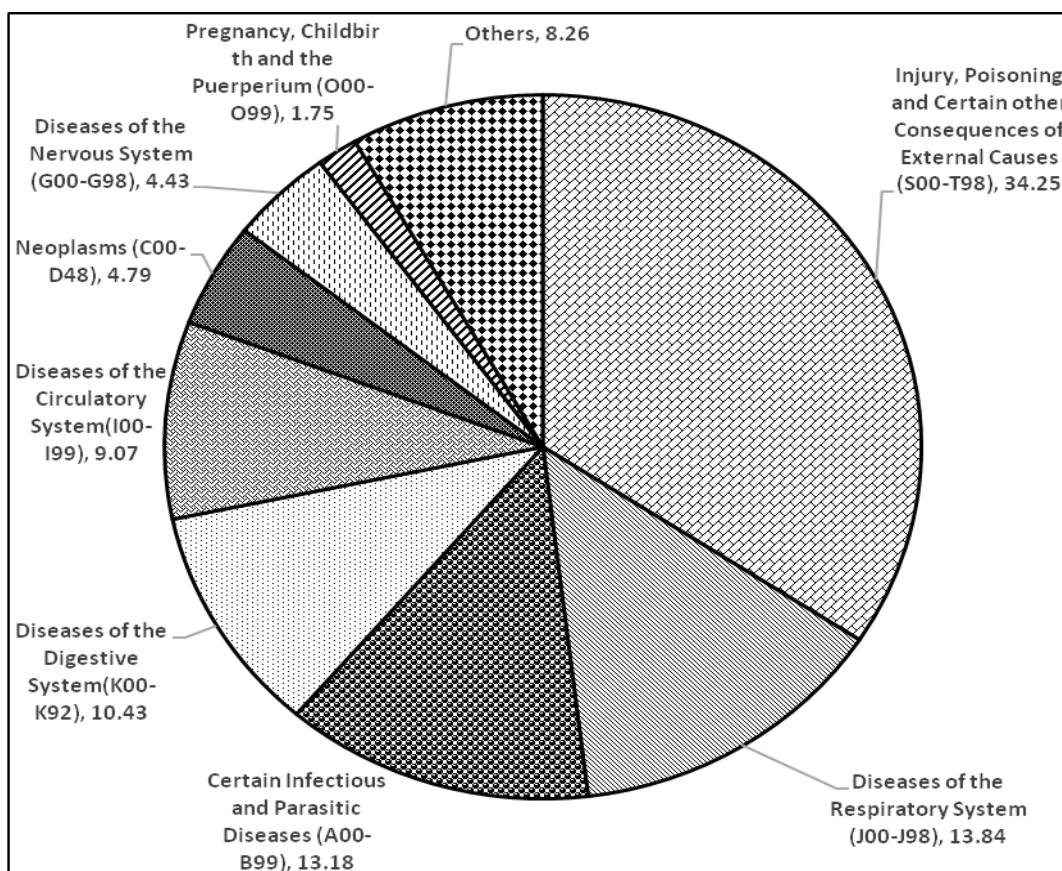
**4.4 Persons aged 15-24 years:** This age-group has contributed to 3.58 per cent of the total medically certified deaths and the share of male and female deaths to the corresponding total being 3.22 per cent and 4.23 per cent respectively. The category consisting of *“Injury, Poisoning & certain other consequences of External causes”* has caused the maximum deaths 34.25 per cent of total deaths reported under this age group. *“Diseases of the Respiratory System”*, *“Certain Infectious and Parasitic Diseases”*, *“Diseases of the Digestive System”* and *“Diseases of the Circulatory System”*, are other leading causes of deaths, accounting for 13.84 per cent, 13.18 per cent, 10.43 per cent and 9.07 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 - 2019

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	1209	37.78	686	29.40	1895	34.25
2	Diseases of the Respiratory System (J00-J98)	438	13.69	328	14.06	766	13.84
3	Certain Infectious and Parasitic Diseases (A00-B99)	395	12.34	334	14.32	729	13.18
4	Diseases of the Digestive System(K00-K92)	344	10.75	233	9.99	577	10.43
5	Diseases of the Circulatory System(I00-I99)	285	8.91	217	9.30	502	9.07
6	Neoplasms (C00-D48)	169	5.28	96	4.11	265	4.79
7	Diseases of the Nervous System (G00-G98)	137	4.28	108	4.63	245	4.43
8	Pregnancy, Childbirth and the Puerperium (O00-O99)	0	0.00	97	4.16	97	1.75
9	Others	223	6.97	234	10.03	457	8.26
	<b>Total Medically Certified Deaths in the age group 15-24 Year</b>	<b>3200</b>	<b>100.00</b>	<b>2333</b>	<b>100.00</b>	<b>5533</b>	<b>100.00</b>
	Deaths in the age group 15-24 year as percentage to total Medically certified deaths		<b>3.22</b>		<b>4.23</b>		<b>3.58</b>

**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 6.28 per cent of total medically certified deaths. Around every fifteenth medically certified death belongs to this age-group, with 6.64 per cent of male and 5.63 per cent of female deaths. A significant percentage of deaths have been reported due to ***‘Injury, Poisoning & certain other consequences of External Causes’*** (25.69 per cent). The two other major determinants of deaths are ***‘Diseases of the Circulatory System’*** (19.46 per cent) and ***‘Certain Infectious and Parasitic Diseases’*** (14.20 per cent). The Distribution of Mortality in the age group 25-34 years, by major cause groups has been shown in **Statement - 37 & Chart- 26**.



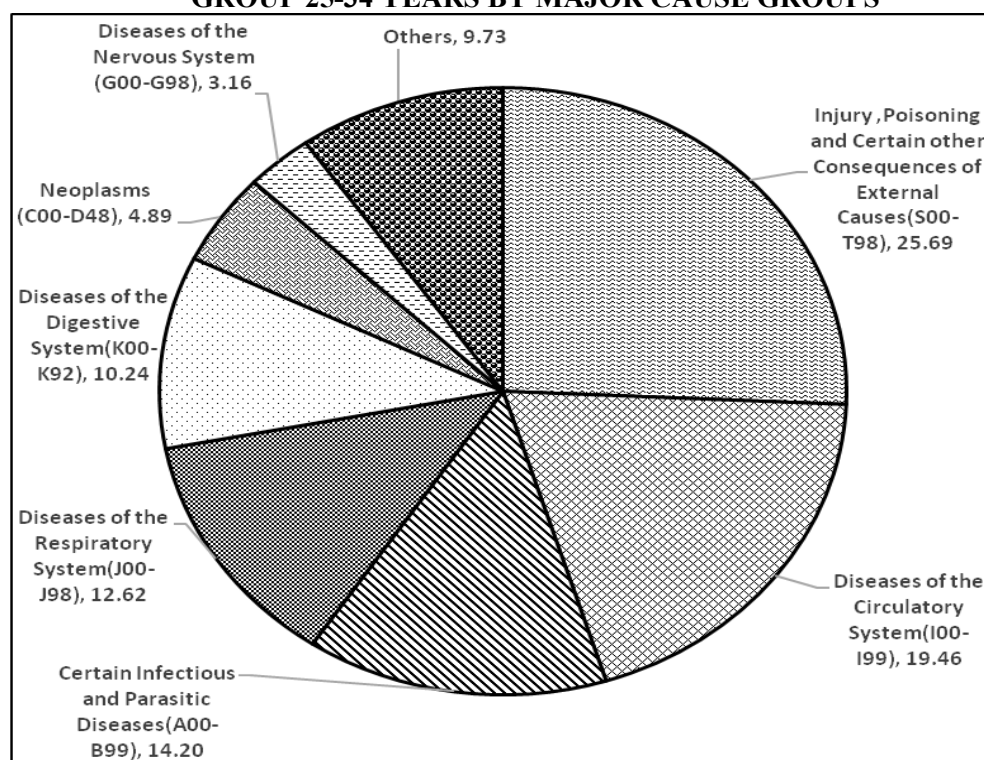
### Statement – 37

#### Distribution of Mortality among persons in the Age Group 25-34 years by Major Cause Groups -2019

Sl. No	Major Cause Groups	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	1779	26.93	715	23.05	2494	25.69
2	Diseases of the Circulatory System(I00-I99)	1321	20.00	568	18.31	1889	19.46
3	Certain Infectious and Parasitic Diseases(A00-B99)	865	13.09	514	16.57	1379	14.20
4	Diseases of the Respiratory System(J00-J98)	808	12.23	417	13.44	1225	12.62
6	Diseases of the Digestive System(K00-K92)	875	13.25	119	3.84	994	10.24
5	Neoplasms (C00-D48)	265	4.01	210	6.77	475	4.89
7	Diseases of the Nervous System (G00-G98)	203	3.07	104	3.35	307	3.16
8	Others	490	7.42	455	14.67	945	9.73
	<b>Total Medically Certified Deaths in the age group 25-34 Year</b>	<b>6606</b>	<b>100.00</b>	<b>3102</b>	<b>100.00</b>	<b>9708</b>	<b>100.00</b>
	Deaths in the age group 25-34 year as percentage to total Medically certified deaths		<b>6.64</b>		<b>5.63</b>		<b>6.28</b>

### Chart -26

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



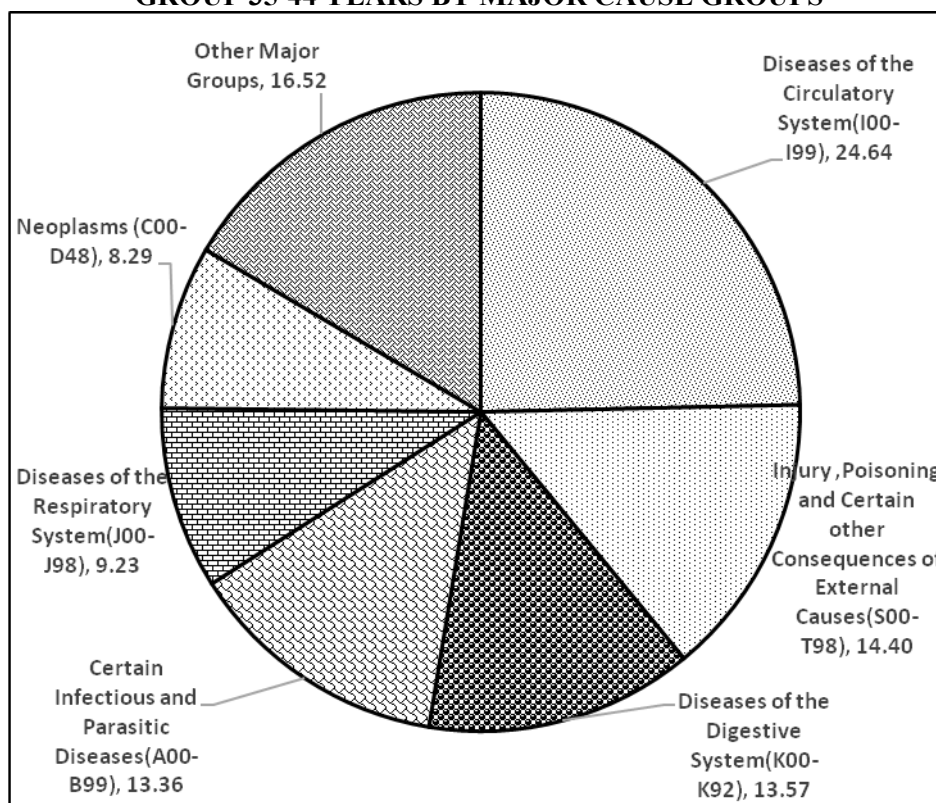
**4.6 Persons aged 35-44 years :** The overall contribution of this age-group in total medically certified deaths is 9.40 per cent, accounting for 10.33 per cent for male and 7.74 per cent of female deaths. *‘Diseases of the Circulatory System (24.64 per cent)’*, *‘Injury Poisoning and Certain Other Consequences of External Causes (14.40 per cent)’*, *‘Diseases of Digestive System (13.57 per cent)’*, *‘Certain Infectious and Parasitic Diseases (13.36 per cent)’*, and *‘Diseases of Respiratory System (9.23 per cent)’* and *‘Neoplasms (8.29 per cent)’* are leading cause groups of deaths together contributing around 83.48 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 - 2019**

Sl. No	Major Cause Groups	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	2547	24.80	1034	24.26	3581	24.64
2	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	1532	14.92	560	13.14	2092	14.40
4	Diseases of the Digestive System(K00-K92)	1704	16.59	268	6.29	1972	13.57
3	Certain Infectious and Parasitic Diseases(A00-B99)	1364	13.28	577	13.54	1941	13.36
5	Diseases of the Respiratory System(J00-J98)	922	8.98	419	9.83	1341	9.23
6	Neoplasms (C00-D48)	591	5.75	613	14.38	1204	8.29
7	Other Major Groups	1610	15.68	791	18.56	2401	16.52
	<b>Total Medically Certified Deaths in the age group 35-44 Years</b>	<b>10270</b>	<b>100.00</b>	<b>4262</b>	<b>100.00</b>	<b>14532</b>	<b>100.00</b>
	Deaths in the age group 35-44 year as percentage to total Medically certified deaths		<b>10.33</b>		<b>7.74</b>		<b>9.40</b>

**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 15.16 per cent of the total medically certified deaths, constituting 16.30 per cent and 13.12 per cent of total male and female medically certified deaths respectively. The prominent causes of mortality in this age group are '*Diseases of Circulatory System*' (31.47 per cent), '*Certain, Infectious and Parasitic Diseases*' (10.65 per cent), '*Diseases of the Digestive System*' (10.04 per cent), '*Diseases of the Respiratory System*' (10.01 per cent), '*Neoplasms*' (9.54 per cent), '*Injury, Poisoning & Certain other consequences of External Causes*' (9.13 per cent) and '*Endocrine, Nutritional and Metabolic Diseases*' (6.79 per cent) which together contribute around 87.63 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**.

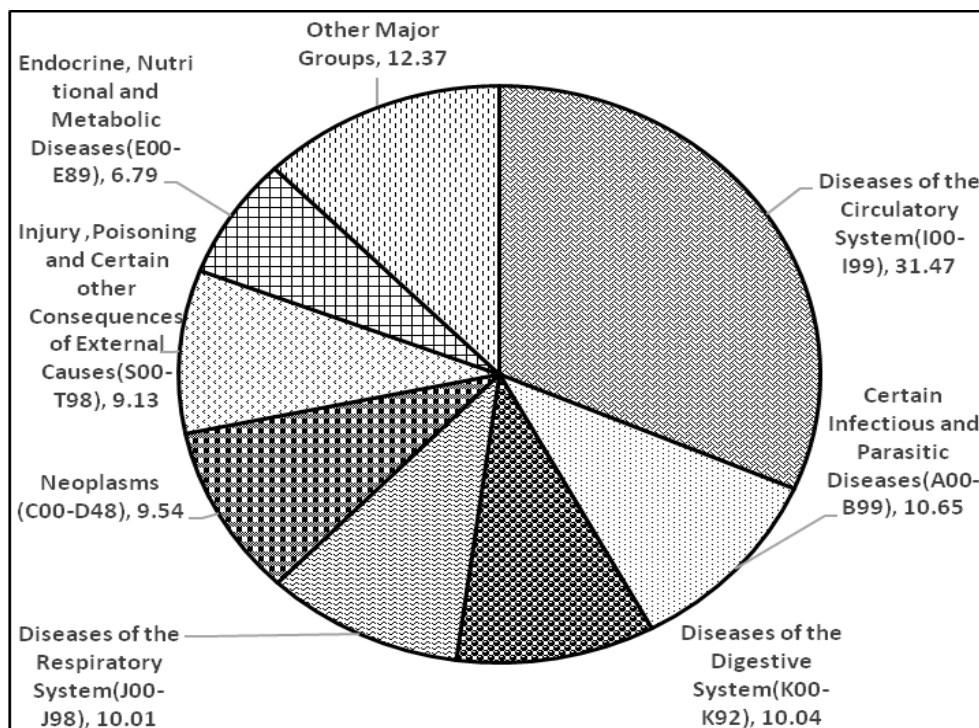
**Statement – 39**

**Distribution of Mortality among persons in the Age Group 45-54 years  
by Major Cause Groups - 2019**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	5157	31.83	2217	30.67	7374	31.47
2	Certain Infectious and Parasitic Diseases(A00-B99)	1697	10.47	799	11.05	2496	10.65
3	Diseases of the Digestive System(K00-K92)	1944	12.00	408	5.64	2352	10.04
4	Diseases of the Respiratory System(J00-J98)	1657	10.23	689	9.53	2346	10.01
5	Neoplasms (C00-D48)	1140	7.04	1096	15.16	2236	9.54
6	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	1663	10.26	476	6.59	2139	9.13
7	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	993	6.13	598	8.27	1591	6.79
8	Other Major Groups	1953	12.05	945	13.07	2898	12.37
	<b>Total Medically Certified Deaths in the age group 45-54 Years</b>	<b>16204</b>	<b>100.00</b>	<b>7228</b>	<b>100.00</b>	<b>23432</b>	<b>100.00</b>
	Deaths in the age group 45-54 year as percentage to total Medically certified deaths		<b>16.30</b>		<b>13.12</b>		<b>15.16</b>

**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 17.65 per cent in the total medically certified deaths, accounting for 18.02 per cent and 17.00 per cent of total male and female medically certified deaths respectively. *‘Diseases of the Circulatory System’* have contributed to the maximum number (36.07 per cent) of total deaths in this age-group, followed by *‘Diseases of the Respiratory System (12.14 per cent), Neoplasms (10.49 per cent), ‘Certain Infectious and Parasitic Diseases (8.81 per cent) and ‘Endocrine, Nutritional and Metabolic Diseases(8.74 per cent).*

In *Diseases of the Circulatory System deaths “Ischaemic Heart Diseases”* have taken the highest toll contributing around 35.76 per cent of total deaths. Under the cause group *Neoplasm* two major constituents i.e., *Malignant Neoplasm of Digestive organs* and *Malignant Neoplasms of Lymphoid, Haematopoietic and related Tissues, together* accounting for 52.51 per cent. *‘Diseases of the Respiratory System’* is responsible for 12.14 per cent of the total deaths under this age group has two major causes constitutes i.e., *Other lower Respiratory Disorders and All other diseases of the Respiratory System,* together accounting for 15.14 per cent of total Respiratory system deaths. In *‘Certain Infectious and Parasitic Diseases, Septicemia* constitutes 42.51 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.**

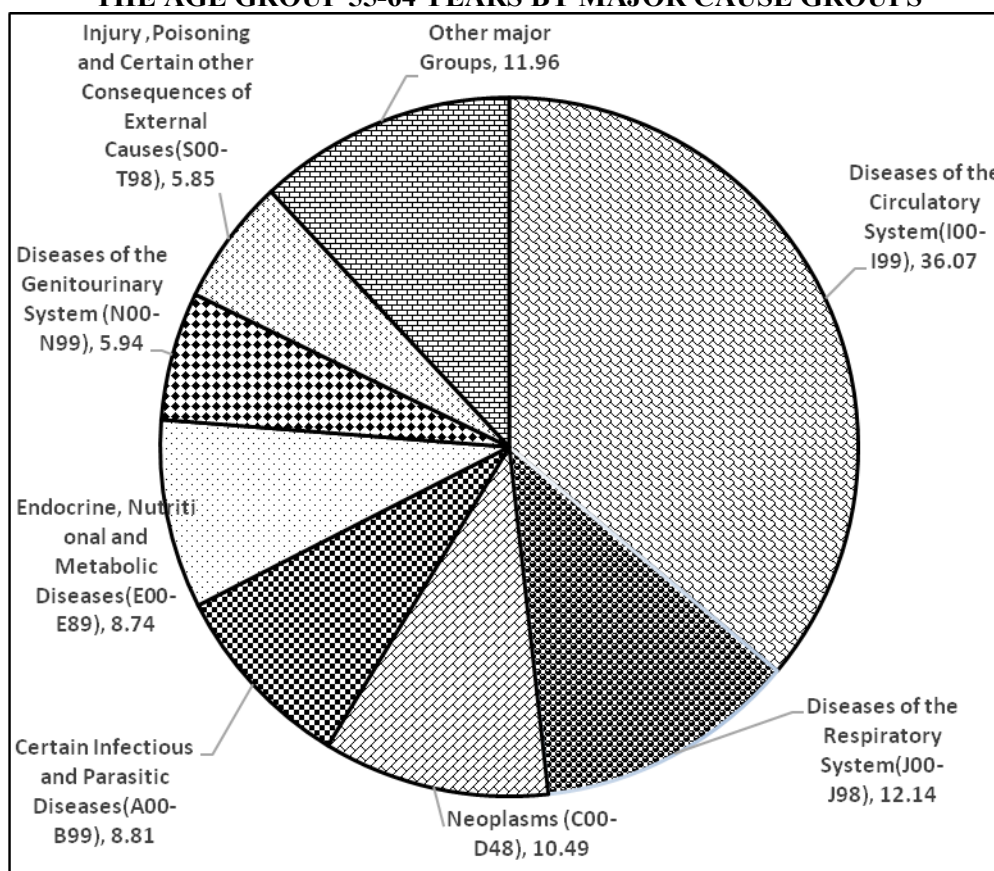
#### Statement -40

#### Distribution of Mortality among persons in the Age Group 55-64 years by Major Cause Groups -2019

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	6410	35.78	3430	36.62	9840	36.07
2	Diseases of the Respiratory System(J00-J98)	2190	12.23	1122	11.98	3312	12.14
3	Neoplasms (C00-D48)	1575	8.79	1287	13.74	2862	10.49
4	Certain Infectious and Parasitic Diseases(A00-B99)	1586	8.85	817	8.72	2403	8.81
5	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1511	8.43	872	9.31	2383	8.74
6	Diseases of the Genitourinary System (N00-N99)	1072	5.98	549	5.86	1621	5.94
7	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	1254	7.00	343	3.66	1597	5.85
8	Other major Groups	2316	12.93	946	10.10	3262	11.96
	<b>Total Medically Certified Deaths in the age group 55-64 Years</b>	<b>17914</b>	<b>100.00</b>	<b>9366</b>	<b>100.00</b>	<b>27280</b>	<b>100.00</b>
	Deaths in the age group 55-64 year as percentage to total Medically certified deaths		<b>18.02</b>		<b>17.00</b>		<b>17.65</b>

**Chart – 29**

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



**4.9 Persons aged 65-69 years:** The share of this age group in total medically certified deaths is 10.15 per cent, constituting 10.01 per cent and 10.39 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 (38.91 per cent). *‘Ischaemic Heart Diseases’* constitute the highest share around 36.04 per cent of circulatory system deaths under this age group. The second leading cause group of death in this age group is *‘Diseases of the Respiratory System’* with the share of 12.56 per cent of total deaths under this age group *‘Other Lower Respiratory Disorders’* and *‘Asthama’* are being the major constituents with the shares of 75.63 per cent and 14.92 per cent of this cause group respectively. The third leading cause group *‘Endocrine, Nutritional & Metabolic Diseases’* with the share of 11.73 per cent of the total deaths. Under this cause group *‘Diabetes Mellitus’* alone contribute 96.90 per cent of the deaths. *‘Neoplasms’* rank 4<sup>th</sup> with 9.99 per cent of the total deaths. Under this cause group *‘Malignant Neoplasm of Digestive Organs’* is the main cause alone contribute 32.35 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**.

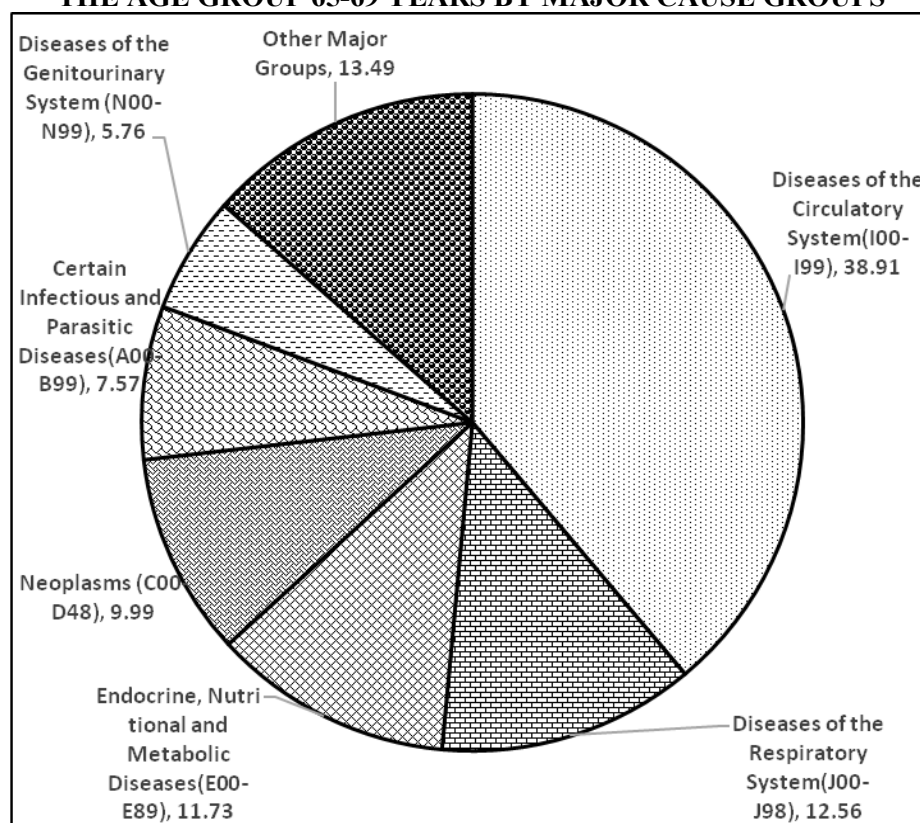
**Statement - 41**

**Distribution of Mortality among persons in the Age Group 65-69 years  
by Major Cause Groups - 2019**

Sl.No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	3878	38.94	2224	38.84	6102	38.91
2	Diseases of the Respiratory System(J00-J98)	1291	12.96	679	11.86	1970	12.56
3	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1087	10.92	752	13.13	1839	11.73
4	Neoplasms (C00-D48)	931	9.35	636	11.11	1567	9.99
5	Certain Infectious and Parasitic Diseases(A00-B99)	776	7.79	411	7.18	1187	7.57
6	Diseases of the Genitourinary System (N00-N99)	558	5.60	345	6.03	903	5.76
7	Other Major Groups	1437	14.43	679	11.86	2116	13.49
	<b>Total Medically Certified Deaths in the age group 65-69 Years</b>	<b>9958</b>	<b>100.00</b>	<b>5726</b>	<b>100.00</b>	<b>15684</b>	<b>100.00</b>
	Deaths in the age group 65-69 years as percentage to total Medically certified deaths		<b>10.01</b>		<b>10.39</b>		<b>10.15</b>

**Chart - 30**

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



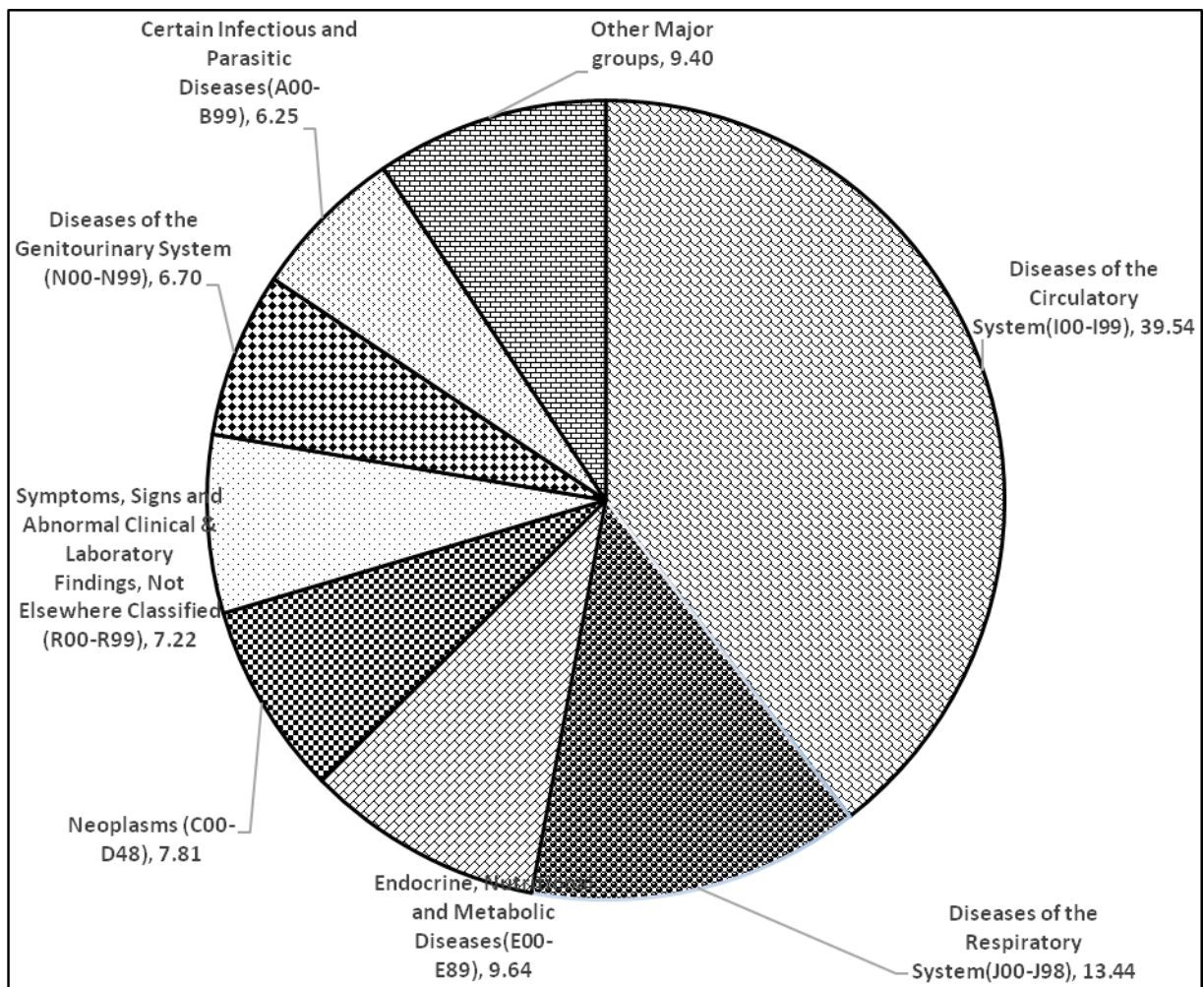
**4.10 Old aged Persons 70 years and above:** This age group, as expected, has reported the maximum incidence (24.74 per cent) of total medically certified deaths. As high as 22.93 per cent and 28.00 per cent of total male and female medically certified deaths respectively have been reported from this age group. In this age group *'Diseases of the Circulatory System'* alone contribute 39.54 per cent of deaths. *Ischaemic Heart Diseases* constitute maximum number (34.83 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 13.44 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 44.40 per cent and 39.05 per cent respectively. With the share of 9.64 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 95.58 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 or above years)**  
**by Major Cause Groups - 2019**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	8735	38.31	6380	41.36	15115	39.54
2	Diseases of the Respiratory System(J00-J98)	3365	14.76	1772	11.49	5137	13.44
3	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	2080	9.12	1604	10.40	3684	9.64
4	Neoplasms (C00-D48)	1721	7.55	1265	8.20	2986	7.81
5	Symptoms, Signs and Abnormal Clinical & Laboratory Findings, Not Elsewhere Classified (R00-R99)	1725	7.57	1036	6.72	2761	7.22
6	Diseases of the Genitourinary System (N00-N99)	1584	6.95	976	6.33	2560	6.70
7	Certain Infectious and Parasitic Diseases(A00-B99)	1418	6.22	972	6.30	2390	6.25
8	Other Major groups	2173	9.53	1422	9.22	3595	9.40
	<b>Total Medically Certified Deaths in the age group 70 or above Years</b>	<b>22801</b>	<b>100.00</b>	<b>15427</b>	<b>100.00</b>	<b>38228</b>	<b>100.00</b>
	Deaths in the age group 70 or above years as percentage to total Medically certified deaths		<b>22.93</b>		<b>28.00</b>		<b>24.74</b>



**CHART – 31**  
**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG OLD AGED PERSONS**  
**(70 AND ABOVE YEARS) BY MAJOR CAUSE GROUPS**



**4.11** Distribution of Medically Certified Deaths by Sex and Major Cause groups during the year 2019 is depicted in Statement –43.

**Statement - 43**  
**Distribution of Medically Certified Deaths by Sex and Major Cause Groups**  
**during - 2019**

Sl. No	Major Cause Group	Male	Female	Total	% to total Medically Certified Deaths
1	Certain Infectious and Parasitic Diseases(A00-B99)	8940	4901	13841	8.96
2	Neoplasms (C00-D48)	6737	5455	12192	7.89
3	Diseases of the Blood & Blood forming Organs and Certain disorders Involving the Immune Mechanism (D50-D89)	1413	1260	2673	1.73
4	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	6626	4275	10901	7.05
5	Mental and Behavioural Disorders (F01-F99)	68	16	84	0.05
6	Diseases of the Nervous System (G00-G98)	2510	1446	3956	2.56
7	Diseases of the Eye and Adnexa (H00-H59)	3	1	4	0.00
8	Diseases of the Ear and Mastoid Process (H60-H95)	1	1	2	0.00
9	Diseases of the Circulatory System (I00-I99)	29405	16479	45884	29.69
10	Diseases of the Respiratory System (J00-J98)	11149	5635	16784	10.86
11	Diseases of the Digestive System (K00-K92)	7449	1956	9405	6.09
12	Diseases of the Skin and Subcutaneous Tissue (L00-L98)	700	284	984	0.64
13	Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)	61	18	79	0.05
14	Diseases of the Genitourinary System (N00-N99)	4756	2646	7402	4.79
15	Pregnancy, Childbirth and the Puerperium (O00-O99)		266	266	0.17
16	Certain Conditions Originating in the Perinatal Period(P00-P96)	6078	4233	10311	6.67
17	Congenital Malformations Deformations & Chromosomal Abnormalities (Q00-Q99)	1595	1057	2652	1.72
18	Symptoms, Signs and Abnormal Clinical & Laboratory findings, Not elsewhere Classified (R00-R99)	2988	1581	4569	2.96
19	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	8958	3579	12537	8.11
	<b>Total</b>	<b>99437</b>	<b>55089</b>	<b>154526</b>	<b>100.00</b>



# 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 2019**

**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	31	149	254	395	865	1364	1697	1586	776	1418	405	8940
		Female	16	101	212	334	514	577	799	817	411	972	148	4901
		<b>Total</b>	<b>47</b>	<b>250</b>	<b>466</b>	<b>729</b>	<b>1379</b>	<b>1941</b>	<b>2496</b>	<b>2403</b>	<b>1187</b>	<b>2390</b>	<b>553</b>	<b>13841</b>
2	NEOPLASMS (C00-D48)	Male	1	25	114	169	265	591	1140	1575	931	1721	205	6737
		Female	1	36	56	96	210	613	1096	1287	636	1265	159	5455
		<b>Total</b>	<b>2</b>	<b>61</b>	<b>170</b>	<b>265</b>	<b>475</b>	<b>1204</b>	<b>2236</b>	<b>2862</b>	<b>1567</b>	<b>2986</b>	<b>364</b>	<b>12192</b>
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0	21	49	73	115	183	237	232	126	304	73	1413
		Female	0	11	30	118	158	131	168	194	111	310	29	1260
		<b>Total</b>	<b>0</b>	<b>32</b>	<b>79</b>	<b>191</b>	<b>273</b>	<b>314</b>	<b>405</b>	<b>426</b>	<b>237</b>	<b>614</b>	<b>102</b>	<b>2673</b>
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0	1	29	63	171	371	993	1511	1087	2080	320	6626
		Female	0	0	33	43	71	187	598	872	752	1604	115	4275
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>62</b>	<b>106</b>	<b>242</b>	<b>558</b>	<b>1591</b>	<b>2383</b>	<b>1839</b>	<b>3684</b>	<b>435</b>	<b>10901</b>
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	1	14	15	12	16	2	4	4	68
		Female	0	0	1	0	0	4	2	8	1	0	0	16
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>14</b>	<b>19</b>	<b>14</b>	<b>24</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>84</b>
6	DISEASES OF THE NERVOUS SYSTEM (G00-G98)	Male	51	61	122	137	203	352	412	380	201	472	119	2510
		Female	21	45	91	108	104	116	202	254	140	323	42	1446
		<b>Total</b>	<b>72</b>	<b>106</b>	<b>213</b>	<b>245</b>	<b>307</b>	<b>468</b>	<b>614</b>	<b>634</b>	<b>341</b>	<b>795</b>	<b>161</b>	<b>3956</b>
7	DISEASES OF THE EYE AND ADNEXA (H00-H59)	Male	0	0	0	0	0	1	1	0	0	1	0	3
		Female	0	0	0	1	0	0	0	0	0	0	0	1
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>



**TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019**

**KARNATAKA**

SL. NO	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	1	0	0	1
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0	1	10	285	1321	2547	5157	6410	3878	8735	1061	29405
		Female	0	3	5	217	568	1034	2217	3430	2224	6380	401	16479
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>15</b>	<b>502</b>	<b>1889</b>	<b>3581</b>	<b>7374</b>	<b>9840</b>	<b>6102</b>	<b>15115</b>	<b>1462</b>	<b>45884</b>
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0	25	108	438	808	922	1657	2190	1291	3365	345	11149
		Female	0	15	67	328	417	419	689	1122	679	1772	127	5635
		<b>Total</b>	<b>0</b>	<b>40</b>	<b>175</b>	<b>766</b>	<b>1225</b>	<b>1341</b>	<b>2346</b>	<b>3312</b>	<b>1970</b>	<b>5137</b>	<b>472</b>	<b>16784</b>
11	DISEASES OF THE DIGESTIVE SYSTEM (K00-K92)	Male	0	26	48	344	875	1704	1944	1252	411	595	250	7449
		Female	0	18	50	233	119	268	408	340	139	334	47	1956
		<b>Total</b>	<b>0</b>	<b>44</b>	<b>98</b>	<b>577</b>	<b>994</b>	<b>1972</b>	<b>2352</b>	<b>1592</b>	<b>550</b>	<b>929</b>	<b>297</b>	<b>9405</b>
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	6	10	30	61	116	141	78	219	39	700
		Female	0	0	6	16	6	25	33	58	43	87	10	284
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>26</b>	<b>36</b>	<b>86</b>	<b>149</b>	<b>199</b>	<b>121</b>	<b>306</b>	<b>49</b>	<b>984</b>
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0	0	1	2	1	6	12	12	11	15	1	61
		Female	0	0	0	0	0	4	4	2	0	8	0	18
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>10</b>	<b>16</b>	<b>14</b>	<b>11</b>	<b>23</b>	<b>1</b>	<b>79</b>
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0	1	23	28	48	454	873	1072	558	1584	115	4756
		Female	0	0	16	26	34	235	421	549	345	976	44	2646
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>39</b>	<b>54</b>	<b>82</b>	<b>689</b>	<b>1294</b>	<b>1621</b>	<b>903</b>	<b>2560</b>	<b>159</b>	<b>7402</b>

**TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019**

**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	97	134	23	12	0	0	0	0	266
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>97</b>	<b>134</b>	<b>23</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>266</b>
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	6078	0	0	0	0	0	0	0	0	0	0	6078
		Female	4233	0	0	0	0	0	0	0	0	0	0	4233
		<b>Total</b>	<b>10311</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10311</b>
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES (Q00-Q99)	Male	897	381	317	0	0	0	0	0	0	0	0	1595
		Female	543	274	240	0	0	0	0	0	0	0	0	1057
		<b>Total</b>	<b>1440</b>	<b>655</b>	<b>557</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2652</b>
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED(R00-R99)	Male	0	41	17	46	111	167	290	283	152	1725	156	2988
		Female	0	30	12	30	52	66	103	89	87	1036	76	1581
		<b>Total</b>	<b>0</b>	<b>71</b>	<b>29</b>	<b>76</b>	<b>163</b>	<b>233</b>	<b>393</b>	<b>372</b>	<b>239</b>	<b>2761</b>	<b>232</b>	<b>4569</b>
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	10	123	210	1209	1779	1532	1663	1254	456	562	160	8958
		Female	4	76	154	686	715	560	476	343	158	360	47	3579
		<b>Total</b>	<b>14</b>	<b>199</b>	<b>364</b>	<b>1895</b>	<b>2494</b>	<b>2092</b>	<b>2139</b>	<b>1597</b>	<b>614</b>	<b>922</b>	<b>207</b>	<b>12537</b>
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	10	123	210	1209	1779	1532	1663	1254	456	562	160	8958
		Female	4	76	154	686	715	560	476	343	158	360	47	3579
		<b>Total</b>	<b>14</b>	<b>199</b>	<b>364</b>	<b>1895</b>	<b>2494</b>	<b>2092</b>	<b>2139</b>	<b>1597</b>	<b>614</b>	<b>922</b>	<b>207</b>	<b>12537</b>
	ALL CAUSES	MALE	<b>7068</b>	<b>855</b>	<b>1308</b>	<b>3200</b>	<b>6606</b>	<b>10270</b>	<b>16204</b>	<b>17914</b>	<b>9958</b>	<b>22801</b>	<b>3253</b>	<b>99437</b>
		FEMALE	<b>4818</b>	<b>609</b>	<b>973</b>	<b>2333</b>	<b>3102</b>	<b>4262</b>	<b>7228</b>	<b>9366</b>	<b>5726</b>	<b>15427</b>	<b>1245</b>	<b>55089</b>
		<b>TOTAL</b>	<b>11886</b>	<b>1464</b>	<b>2281</b>	<b>5533</b>	<b>9708</b>	<b>14532</b>	<b>23432</b>	<b>27280</b>	<b>15684</b>	<b>38228</b>	<b>4498</b>	<b>154526</b>

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
<b>I</b>	<b>CERTAIN INFECTIOUS AND PARASITIC DISEASES (A00-B99)</b>	<b>Male</b>	<b>31</b>	<b>149</b>	<b>254</b>	<b>395</b>	<b>865</b>	<b>1364</b>	<b>1697</b>	<b>1586</b>	<b>776</b>	<b>1418</b>	<b>405</b>	<b>8940</b>	
		<b>Female</b>	<b>16</b>	<b>101</b>	<b>212</b>	<b>334</b>	<b>514</b>	<b>577</b>	<b>799</b>	<b>817</b>	<b>411</b>	<b>972</b>	<b>148</b>	<b>4901</b>	
		<b>Total</b>	<b>47</b>	<b>250</b>	<b>466</b>	<b>729</b>	<b>1379</b>	<b>1941</b>	<b>2496</b>	<b>2403</b>	<b>1187</b>	<b>2390</b>	<b>553</b>	<b>13841</b>	
<b>1</b>	<b>INTESTINAL INFECTIOUS DISEASES (A00-A09)</b>	<b>Male</b>	<b>21</b>	<b>20</b>	<b>11</b>	<b>16</b>	<b>30</b>	<b>61</b>	<b>113</b>	<b>96</b>	<b>63</b>	<b>147</b>	<b>23</b>	<b>601</b>	
		<b>Female</b>	<b>11</b>	<b>15</b>	<b>16</b>	<b>14</b>	<b>42</b>	<b>33</b>	<b>61</b>	<b>64</b>	<b>61</b>	<b>122</b>	<b>15</b>	<b>454</b>	
		<b>Total</b>	<b>32</b>	<b>35</b>	<b>27</b>	<b>30</b>	<b>72</b>	<b>94</b>	<b>174</b>	<b>160</b>	<b>124</b>	<b>269</b>	<b>38</b>	<b>1055</b>	
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	1	0	2	0	0	0	2	2	0	7	
		Female	0	0	0	0	0	0	0	1	1	0	0	2	
3	FOOD POISONING (A02,A05)	Male	0	0	0	0	2	0	0	2	0	0	0	4	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
4	SHIGELLOSIS (A03)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	1	0	1	
5	AMOEBIASIS(A06)	Male	0	3	0	0	0	0	8	3	0	2	2	18	
		Female	0	0	0	0	1	3	3	1	1	0	0	9	
6	DIARRHOEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN(A09)	Male	21	17	7	16	25	61	105	91	61	143	21	568	
		Female	11	15	8	14	40	30	58	62	59	121	15	433	
7	OTHER INTESTINAL INFECTIOUS DISEASES(A04,A07-A08)	Male	0	0	3	0	1	0	0	0	0	0	0	4	
		Female	0	0	8	0	1	0	0	0	0	0	0	9	
<b>2</b>	<b>TUBERCULOSIS (A15-A19)</b>	<b>Male</b>	<b>0</b>	<b>23</b>	<b>45</b>	<b>151</b>	<b>408</b>	<b>610</b>	<b>625</b>	<b>522</b>	<b>319</b>	<b>378</b>	<b>168</b>	<b>3249</b>	
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>22</b>	<b>115</b>	<b>225</b>	<b>208</b>	<b>212</b>	<b>191</b>	<b>109</b>	<b>172</b>	<b>39</b>	<b>1295</b>	
		<b>Total</b>	<b>0</b>	<b>25</b>	<b>67</b>	<b>266</b>	<b>633</b>	<b>818</b>	<b>837</b>	<b>713</b>	<b>428</b>	<b>550</b>	<b>207</b>	<b>4544</b>	
1	RESPIRATORY TUBERCULOSIS(A15-A16)	Male	0	14	24	120	331	517	558	456	282	347	154	2803	
		Female	0	1	18	89	176	160	186	168	93	154	35	1080	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
2	TUBERCULOSIS OF NERVOUS SYSTEM(A17)	Male	0	6	18	26	64	75	46	45	21	23	13	337	
		Female	0	1	3	22	37	44	19	17	10	14	4	171	
3	TUBERCULOSIS OF OTHER ORGANS AND MILIARY TUBERCULOSIS(A18-A19)	Male	0	3	3	5	13	18	21	21	16	8	1	109	
		Female	0	0	1	4	12	4	7	6	6	4	0	44	
<b>3</b>	<b>OTHER BACTERIAL DISEASES(A20-A49)</b>	<b>Male</b>	<b>0</b>	<b>59</b>	<b>101</b>	<b>140</b>	<b>308</b>	<b>498</b>	<b>763</b>	<b>820</b>	<b>333</b>	<b>803</b>	<b>176</b>	<b>4001</b>	
		<b>Female</b>	<b>0</b>	<b>40</b>	<b>61</b>	<b>141</b>	<b>157</b>	<b>220</b>	<b>416</b>	<b>478</b>	<b>212</b>	<b>632</b>	<b>74</b>	<b>2431</b>	
		<b>Total</b>	<b>0</b>	<b>99</b>	<b>162</b>	<b>281</b>	<b>465</b>	<b>718</b>	<b>1179</b>	<b>1298</b>	<b>545</b>	<b>1435</b>	<b>250</b>	<b>6432</b>	
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	0	2	2	1	0	0	5	
		Female	0	0	0	0	1	0	0	0	0	0	0	1	
3	NEONATAL TETANUS(A33)	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 TETANUS(A34-A35)	Male	0	4	1	1	3	3	6	5	3	4	1	31	
		Female	0	0	0	0	0	3	1	3	0	0	0	7	
5	DIPHTHERIA(A36)	Male	0	3	15	0	0	0	0	0	0	0	0	18	
		Female	0	5	2	0	0	0	0	0	0	0	0	7	
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	0	0	1	0	0	0	1	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
8	SEPTICAEMIA(A40-A41)	Male	0	51	76	135	285	472	729	797	318	790	169	3822	
		Female	0	35	55	140	154	207	411	470	210	627	73	2382	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
9	ALL OTHER TYPES OF BACTERIAL DISEASES(A21-A28,A31-A32,A38,A42-A49)	Male	0	1	9	4	20	23	26	15	11	9	6	124	
		Female	0	0	4	1	2	10	4	5	2	5	1	34	
<b>4</b>	<b>INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION(A50-A64)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>8</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>13</b>	
1	SYPHILIS(A50-A53)	Male	0	0	0	0	0	0	1	0	0	0	0	1	
		Female	0	0	0	0	0	0	0	0	1	0	0	1	
2	OTHER TYPES OF INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION (A54-A64)	Male	0	0	0	0	0	0	1	2	0	4	0	7	
		Female	0	0	0	0	0	1	1	0	0	1	1	4	
<b>5</b>	<b>VIRAL DISEASES(A70-A74 &amp; A80-B34)</b>	<b>Male</b>	<b>10</b>	<b>46</b>	<b>97</b>	<b>84</b>	<b>107</b>	<b>172</b>	<b>171</b>	<b>135</b>	<b>54</b>	<b>85</b>	<b>38</b>	<b>999</b>	
		<b>Female</b>	<b>5</b>	<b>44</b>	<b>110</b>	<b>57</b>	<b>77</b>	<b>102</b>	<b>97</b>	<b>76</b>	<b>27</b>	<b>42</b>	<b>19</b>	<b>656</b>	
		<b>Total</b>	<b>15</b>	<b>90</b>	<b>207</b>	<b>141</b>	<b>184</b>	<b>274</b>	<b>268</b>	<b>211</b>	<b>81</b>	<b>127</b>	<b>57</b>	<b>1655</b>	
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	0	1	9	4	5	4	6	1	0	3	33	
		Female	0	0	4	0	0	0	8	3	0	3	1	19	
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	0	13	22	13	12	19	25	11	5	8	6	134	
		Female	0	13	16	8	13	8	7	10	4	3	3	85	
5	DENGUE FEVER(A90)	Male	0	1	5	2	3	4	1	3	0	6	0	25	
		Female	0	6	6	3	1	1	0	2	0	0	0	19	
6	OTHER ARTHROPOD-BORNE VIRAL FEVERS AND VIRAL HAEMORRHAGIC FEVERS (A91-A94, A96-A99)	Male	10	32	64	46	60	90	96	81	41	58	21	599	
		Female	5	25	80	31	46	54	59	49	14	32	14	409	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
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	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	
9	ACUTE HEPATITIS(B16)	Male	0	0	0	0	4	0	2	4	0	0	0	10	
		Female	0	0	0	1	0	1	0	1	0	0	0	3	
10	OTHER VIRAL HEPATITIS(B15, B17-B19)	Male	0	0	0	2	2	2	1	7	3	3	0	20	
		Female	0	0	3	6	3	6	0	5	4	0	0	27	
11	HUMAN IMMUNODEFICIENCY VIRUS [HIV] DISEASE (B20-B24)	Male	0	0	4	9	18	45	39	19	3	7	8	152	
		Female	0	0	0	4	12	31	20	6	3	3	1	80	
12	ALL OTHER TYPES OF VIRAL DISEASES (A70-A74,A81,A87-A89,A95, B00-B02,B04,B06-B09 & B25-B34)	Male	0	0	1	3	4	7	3	4	1	3	0	26	
		Female	0	0	1	4	2	1	3	0	2	1	0	14	
<b>6</b>	<b>PROTOZOAL DISEASES(B50-B64)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>15</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>14</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>3</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>29</b>	
1	MALARIA(B50-B54)	Male	0	0	0	0	2	3	2	4	1	0	0	12	
		Female	0	0	1	2	3	1	1	3	0	1	0	12	
2	ALL OTHER TYPES OF PROTOZOAL DISEASES(B55-B64)	Male	0	0	0	0	0	2	0	0	1	0	0	3	
		Female	0	0	0	0	0	2	0	0	0	0	0	2	
<b>7</b>	<b>OTHER CERTAIN INFECTIOUS AND PARASITIC DISEASES &amp; LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES (A65-A69 &amp; A75-A79,B35-B49,B65- B99)</b>	<b>Male</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>10</b>	<b>18</b>	<b>21</b>	<b>7</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>67</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>10</b>	<b>10</b>	<b>11</b>	<b>5</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>46</b>	
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>9</b>	<b>20</b>	<b>28</b>	<b>32</b>	<b>12</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>113</b>	
1	FILARIASIS(B74)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	1	0	0	1	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
2	OTHER HELMINTHIASIS(B65-B73,B75,B77-B83)	Male	0	0	0	0	0	0	1	0	0	0	0	1	
		Female	0	0	0	0	0	0	0	1	0	0	0	1	
3	OTHER SPIROCHAETAL DISEASES AND RICKETTSIOSES(A65-A69 & A75-A79)	Male	0	0	0	0	0	2	5	0	0	0	0	7	
		Female	0	0	0	0	4	0	0	0	0	1	0	5	
4	ALL OTHER INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF	Male	0	1	0	4	10	16	15	7	5	1	0	59	
	INFECTIOUS AND PARASITIC DISEASES(B35-B49,B65,B76,B85-B99)	Female	0	0	2	5	6	10	11	4	0	1	0	39	
<b>II</b>	<b>NEOPLASMS (C00-D48)</b>	<b>Male</b>	<b>1</b>	<b>25</b>	<b>114</b>	<b>169</b>	<b>265</b>	<b>591</b>	<b>1140</b>	<b>1575</b>	<b>931</b>	<b>1721</b>	<b>205</b>	<b>6737</b>	
		<b>Female</b>	<b>1</b>	<b>36</b>	<b>56</b>	<b>96</b>	<b>210</b>	<b>613</b>	<b>1096</b>	<b>1287</b>	<b>636</b>	<b>1265</b>	<b>159</b>	<b>5455</b>	
		<b>Total</b>	<b>2</b>	<b>61</b>	<b>170</b>	<b>265</b>	<b>475</b>	<b>1204</b>	<b>2236</b>	<b>2862</b>	<b>1567</b>	<b>2986</b>	<b>364</b>	<b>12192</b>	
<b>8</b>	<b>MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>18</b>	<b>80</b>	<b>134</b>	<b>165</b>	<b>82</b>	<b>109</b>	<b>24</b>	<b>615</b>	
	<b>PHARYNX (C00-C14)</b>	<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>11</b>	<b>28</b>	<b>62</b>	<b>79</b>	<b>50</b>	<b>58</b>	<b>7</b>	<b>301</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>29</b>	<b>108</b>	<b>196</b>	<b>244</b>	<b>132</b>	<b>167</b>	<b>31</b>	<b>916</b>	
1	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	3	18	80	134	165	82	109	24	615	
		Female	0	0	0	6	11	28	62	79	50	58	7	301	
<b>9</b>	<b>MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS (C15-C26)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>70</b>	<b>145</b>	<b>392</b>	<b>551</b>	<b>339</b>	<b>632</b>	<b>71</b>	<b>2224</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>64</b>	<b>103</b>	<b>232</b>	<b>324</b>	<b>168</b>	<b>388</b>	<b>36</b>	<b>1333</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>134</b>	<b>248</b>	<b>624</b>	<b>875</b>	<b>507</b>	<b>1020</b>	<b>107</b>	<b>3557</b>	
1	MALIGNANT NEOPLASM OF OESOPHAGUS (C15)	Male	0	0	0	18	28	56	98	165	92	173	13	643	
		Female	0	0	0	11	33	42	78	108	42	145	4	463	
2	MALIGNANT NEOPLASM OF STOMACH (C16)	Male	0	0	0	4	16	25	108	100	67	126	15	461	
		Female	0	0	0	2	9	21	44	49	34	67	8	234	
3	MALIGNANT NEOPLASMS OF SMALL INTESTINE INCLUDING DUODENUM (C17)	Male	0	0	0	0	0	0	0	0	1	3	0	4	
		Female	0	0	0	0	0	0	0	0	1	0	0	1	
4	MALIGNANT NEOPLASM OF COLON (C18)	Male	0	0	0	1	11	15	37	31	17	40	8	160	
		Female	0	0	0	5	5	9	38	41	13	32	4	147	

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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	0	5	12	24	37	23	51	9	161	
		Female	0	0	0	0	8	9	13	26	17	34	6	113	
6	MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPATIC BILE DUCTS (C22)	Male	0	0	0	0	7	31	108	181	126	199	22	674	
		Female	0	0	0	0	6	17	44	70	38	92	12	279	
7	MALIGNANT NEOPLASM OF PANCREAS (C25)	Male	0	0	0	1	1	2	8	14	9	16	2	53	
		Female	0	0	0	0	2	2	5	7	2	7	0	25	
8	OTHER MALIGNANT NEOPLASM OF DIGESTIVE ORGANS (C23-C24,C26)	Male	0	0	0	0	2	4	9	23	4	24	2	68	
		Female	0	0	0	0	1	3	10	23	21	11	2	71	
<b>10</b>	<b>MALIGNANT NEOPLASMS OF RESPIRATORY &amp; INTRATHORACIC ORGANS (C30-C39)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>22</b>	<b>67</b>	<b>177</b>	<b>249</b>	<b>169</b>	<b>271</b>	<b>34</b>	<b>1005</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>13</b>	<b>49</b>	<b>82</b>	<b>114</b>	<b>65</b>	<b>122</b>	<b>16</b>	<b>478</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>35</b>	<b>116</b>	<b>259</b>	<b>363</b>	<b>234</b>	<b>393</b>	<b>50</b>	<b>1483</b>	
1	MALIGNANT NEOPLASM OF LARYNX (C32)	Male	0	0	0	0	0	5	8	14	17	18	0	62	
		Female	0	0	0	1	1	2	0	1	0	3	0	8	
2	MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG (C33-C34)	Male	0	0	0	16	22	60	166	231	151	250	34	930	
		Female	0	0	0	16	12	45	79	110	62	112	16	452	
3	OTHER MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS(C30-C31,C37-C39)	Male	0	0	0	0	0	2	3	4	1	3	0	13	
		Female	0	0	0	0	0	2	3	3	3	7	0	18	
<b>11</b>	<b>MALIGNANT NEOPLASMS OF BONE,MESOTHELIAL AND SOFT TISSUE,SKIN AND BREAST(C40-C50)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>18</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>51</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>36</b>	<b>150</b>	<b>283</b>	<b>209</b>	<b>111</b>	<b>221</b>	<b>30</b>	<b>1042</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>40</b>	<b>155</b>	<b>289</b>	<b>227</b>	<b>113</b>	<b>234</b>	<b>30</b>	<b>1093</b>	
1	MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE (C40-C41)	Male	0	0	0	1	0	2	3	9	0	5	0	20	
		Female	0	0	0	0	0	2	1	7	4	4	0	18	
2	MALIGNANT MELANOMA OF SKIN (C43)	Male	0	0	0	0	1	0	0	0	1	0	0	2	
		Female	0	0	0	0	0	0	0	0	1	0	0	1	
3	OTHER MALIGNANT NEOPLASM OF SKIN (C44)	Male	0	0	0	0	0	0	0	4	1	3	0	8	
		Female	0	0	0	0	0	1	0	0	0	2	0	3	



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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	
4	MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE (C45-C49)	Male	0	0	0	2	3	3	3	5	0	5	0	21	
		Female	0	0	0	0	1	1	1	0	2	1	0	6	
5	MALIGNANT NEOPLASM OF BREAST (C50)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	2	35	146	281	202	104	214	30	1014	
<b>12</b>	<b>MALIGNANT NEOPLASMS OF GENITOURINARY ORGANS (C51-C68)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>56</b>	<b>89</b>	<b>84</b>	<b>268</b>	<b>10</b>	<b>512</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>18</b>	<b>94</b>	<b>244</b>	<b>244</b>	<b>121</b>	<b>205</b>	<b>28</b>	<b>957</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>20</b>	<b>97</b>	<b>300</b>	<b>333</b>	<b>205</b>	<b>473</b>	<b>38</b>	<b>1469</b>	
1	MALIGNANT NEOPLASM OF CERVIX UTERI (C53)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	3	6	48	97	104	49	81	17	405	
2	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED PARTS OF UTERUS (C54-C55)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	3	8	22	17	12	21	1	84	
3	MALIGNANT NEOPLASM OF OVARY (C56)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	9	36	113	107	51	83	9	408	
4	MALIGNANT NEOPLASMS OF PLACENTA (C58)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	1	0	4	0	3	0	8	
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	8	1	1	4	0	15	
6	MALIGNANT NEOPLASM OF PROSTATE (C61)	Male	0	0	0	0	0	0	34	57	56	214	9	370	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
7	OTHER MALIGNANT NEOPLASM OF MALE GENITAL ORGANS (C60-C62,C63)	Male	0	0	0	0	0	3	5	5	6	10	0	29	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	

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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	MALIGNANT NEOPLASM OF BLADDER (C67)	Male	0	0	0	0	2	0	11	14	10	29	1	67	
		Female	0	0	0	0	0	0	0	1	2	4	0	7	
9	OTHER MALIGNANT NEOPLASM OF URINARY TRACT (C64-C66,C68)	Male	0	0	0	0	0	0	6	13	12	15	0	46	
		Female	0	0	0	0	0	0	4	10	6	9	1	30	
<b>13</b>	<b>MALIGNANT NEOPLASMS OF EYE,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM (C69-C72)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>13</b>	<b>8</b>	<b>0</b>	<b>46</b>	
		<b>Female</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>7</b>	<b>3</b>	<b>25</b>	
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>10</b>	<b>9</b>	<b>17</b>	<b>15</b>	<b>3</b>	<b>71</b>	
1	MALIGNANT NEOPLASMS OF EYE & ADNEXA (C69)	Male	0	0	0	0	0	1	2	1	0	1	0	5	
		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	1	4	6	1	4	5	13	7	0	41	
		Female	0	1	0	0	0	3	4	3	4	7	3	25	
<b>14</b>	<b>MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES(C73-C80 &amp; C97)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>36</b>	<b>31</b>	<b>69</b>	<b>78</b>	<b>47</b>	<b>106</b>	<b>4</b>	<b>381</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>10</b>	<b>26</b>	<b>59</b>	<b>74</b>	<b>33</b>	<b>79</b>	<b>4</b>	<b>290</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>12</b>	<b>46</b>	<b>57</b>	<b>128</b>	<b>152</b>	<b>80</b>	<b>185</b>	<b>8</b>	<b>671</b>	
1	MALIGNANT NEOPLASMS OF OTHER ILL-DEFINED, SECONDARY, UNSPECIFIED AND MULTIPLE SITES(C73-C80 & C97)	Male	0	0	2	8	36	31	69	78	47	106	4	381	
		Female	0	0	1	4	10	26	59	74	33	79	4	290	
<b>15</b>	<b>MALIGNANT NEOPLASMS OF LYMPHOID, HAEMATOPOIETIC AND RELATED TISSUE(C81-C96)</b>	<b>Male</b>	<b>1</b>	<b>23</b>	<b>109</b>	<b>109</b>	<b>101</b>	<b>253</b>	<b>280</b>	<b>401</b>	<b>186</b>	<b>296</b>	<b>61</b>	<b>1820</b>	
		<b>Female</b>	<b>1</b>	<b>35</b>	<b>55</b>	<b>44</b>	<b>53</b>	<b>157</b>	<b>120</b>	<b>227</b>	<b>80</b>	<b>165</b>	<b>35</b>	<b>972</b>	
		<b>Total</b>	<b>2</b>	<b>58</b>	<b>164</b>	<b>153</b>	<b>154</b>	<b>410</b>	<b>400</b>	<b>628</b>	<b>266</b>	<b>461</b>	<b>96</b>	<b>2792</b>	
1	HODGKIN'S DISEASE(C81)	Male	0	0	0	0	0	3	0	0	1	0	0	4	
		Female	0	0	0	0	0	4	0	0	0	1	0	5	
2	NON - HODGKIN'S LYMPHOMA(C82-C85)	Male	0	0	0	10	14	72	63	52	23	16	1	251	
		Female	0	0	0	9	5	19	14	19	17	14	0	97	
3	MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS(C90)	Male	0	0	0	0	0	8	30	7	1	0	0	46	
		Female	0	0	0	0	0	8	9	4	0	0	0	21	

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			<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	
4	LEUKAEMIA(C91-C95)	Male	1	17	82	64	57	88	64	147	28	81	17	646	
		Female	1	29	48	17	22	81	33	104	14	66	9	424	
5	OTHER MALIGNANT NEOPLASMS OF LYMPHOID,HAEMATOPOIETIC AND RELATED TISSUE (C88 & C96)	Male	0	6	27	35	30	82	123	195	133	199	43	873	
		Female	0	6	7	18	26	45	64	100	49	84	26	425	
<b>16</b>	<b>CARCINOMA IN SITU(D00-D09)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>13</b>	<b>10</b>	<b>8</b>	<b>14</b>	<b>0</b>	<b>53</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>9</b>	<b>4</b>	<b>14</b>	<b>0</b>	<b>32</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>16</b>	<b>19</b>	<b>12</b>	<b>28</b>	<b>0</b>	<b>85</b>	
1	CARCINOMA IN SITU(D00-D09)	Male	0	0	0	0	4	4	13	10	8	14	0	53	
		Female	0	0	0	0	0	2	3	9	4	14	0	32	
<b>17</b>	<b>BENIGN NEOPLASMS(D10-D36)</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>14</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	
		<b>Total</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>23</b>	
1	LEIOMYOMA OF UTERUS(D25)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
2	ALL OTHER BENIGN NEOPLASMS(D10-D24,D26-D36)	Male	0	2	2	2	0	0	2	4	0	2	0	14	
		Female	0	0	0	1	4	0	2	2	0	0	0	9	
<b>18</b>	<b>OTHER AND UNSPECIFIED NEOPLASM(D37-D48)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>16</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>16</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>8</b>	<b>1</b>	<b>32</b>	
1	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	0	0	2	1	5	4	1	2	1	16	
		Female	0	0	0	1	1	1	5	2	0	6	0	16	
<b>III</b>	<b>DISEASES OF THE BLOOD &amp; BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)</b>	<b>Male</b>	<b>0</b>	<b>21</b>	<b>49</b>	<b>73</b>	<b>115</b>	<b>183</b>	<b>237</b>	<b>232</b>	<b>126</b>	<b>304</b>	<b>73</b>	<b>1413</b>	
		<b>Female</b>	<b>0</b>	<b>11</b>	<b>30</b>	<b>118</b>	<b>158</b>	<b>131</b>	<b>168</b>	<b>194</b>	<b>111</b>	<b>310</b>	<b>29</b>	<b>1260</b>	
		<b>Total</b>	<b>0</b>	<b>32</b>	<b>79</b>	<b>191</b>	<b>273</b>	<b>314</b>	<b>405</b>	<b>426</b>	<b>237</b>	<b>614</b>	<b>102</b>	<b>2673</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
<b>19</b>	<b>DISEASES OF THE BLOOD &amp; BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)</b>	<b>Male</b>	<b>0</b>	<b>21</b>	<b>49</b>	<b>73</b>	<b>115</b>	<b>183</b>	<b>237</b>	<b>232</b>	<b>126</b>	<b>304</b>	<b>73</b>	<b>1413</b>	
		<b>Female</b>	<b>0</b>	<b>11</b>	<b>30</b>	<b>118</b>	<b>158</b>	<b>131</b>	<b>168</b>	<b>194</b>	<b>111</b>	<b>310</b>	<b>29</b>	<b>1260</b>	
		<b>Total</b>	<b>0</b>	<b>32</b>	<b>79</b>	<b>191</b>	<b>273</b>	<b>314</b>	<b>405</b>	<b>426</b>	<b>237</b>	<b>614</b>	<b>102</b>	<b>2673</b>	
1	THALASSAEMIA(D56)	Male	0	0	5	1	0	0	0	0	0	0	0	6	
		Female	0	0	0	2	0	1	1	0	0	0	0	4	
2	OTHER ANAEMIAS(D50-D55,D57-D64)	Male	0	17	30	64	109	172	217	212	116	292	72	1301	
		Female	0	10	28	111	148	121	160	174	105	302	28	1187	
3	ALL OTHER DISEASES OF BLOOD & BLOOD FORMING ORGANS (D65-D77)	Male	0	4	14	7	6	11	19	20	9	11	1	102	
		Female	0	1	2	5	8	9	5	17	6	8	1	62	
4	CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D80-D89)	Male	0	0	0	1	0	0	1	0	1	1	0	4	
		Female	0	0	0	0	2	0	2	3	0	0	0	7	
<b>IV</b>	<b>ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)</b>	<b>Male</b>	<b>0</b>	<b>1</b>	<b>29</b>	<b>63</b>	<b>171</b>	<b>371</b>	<b>993</b>	<b>1511</b>	<b>1087</b>	<b>2080</b>	<b>320</b>	<b>6626</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>43</b>	<b>71</b>	<b>187</b>	<b>598</b>	<b>872</b>	<b>752</b>	<b>1604</b>	<b>115</b>	<b>4275</b>	
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>62</b>	<b>106</b>	<b>242</b>	<b>558</b>	<b>1591</b>	<b>2383</b>	<b>1839</b>	<b>3684</b>	<b>435</b>	<b>10901</b>	
<b>20</b>	<b>MALNUTRITION(E40-E46)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>14</b>	<b>18</b>	<b>5</b>	<b>16</b>	<b>4</b>	<b>62</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>3</b>	<b>29</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>23</b>	<b>20</b>	<b>7</b>	<b>22</b>	<b>7</b>	<b>91</b>	
1	KWASHIORKOR(E40)	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	NUTRITIONAL MARASMUS(E41)	Male	0	0	0	2	0	2	7	15	2	13	4	45	
		Female	0	0	1	0	0	3	5	0	2	6	2	19	
3	OTHER PROTEIN-ENERGY MALNUTRITION(E42-E46)	Male	0	0	0	0	0	1	7	3	3	3	0	17	
		Female	0	0	2	0	0	1	4	2	0	0	1	10	
<b>21</b>	<b>ENDOCRINE, OTHER NUTRITIONAL AND METABOLIC DISEASES(E00-E34 &amp; E50-E89)</b>	<b>Male</b>	<b>0</b>	<b>1</b>	<b>29</b>	<b>61</b>	<b>171</b>	<b>368</b>	<b>979</b>	<b>1493</b>	<b>1082</b>	<b>2064</b>	<b>316</b>	<b>6564</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>43</b>	<b>71</b>	<b>183</b>	<b>589</b>	<b>870</b>	<b>750</b>	<b>1598</b>	<b>112</b>	<b>4246</b>	
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>59</b>	<b>104</b>	<b>242</b>	<b>551</b>	<b>1568</b>	<b>2363</b>	<b>1832</b>	<b>3662</b>	<b>428</b>	<b>10810</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
1	DISORDERS OF THYROID GLAND(E00-E07)	Male	0	0	0	0	0	2	3	0	4	10	0	19	
		Female	0	0	0	2	0	5	4	10	4	11	0	36	
2	DIABETES MELLITUS(E10-E14)	Male	0	0	25	49	150	335	919	1441	1049	1983	291	6242	
		Female	0	0	26	35	64	165	559	840	733	1538	100	4060	
3	ALL OTHER NUTRITIONAL DEFICIENCIES(E50-E64)	Male	0	1	1	1	1	4	2	1	5	5	2	23	
		Female	0	0	0	0	0	0	1	3	2	2	1	9	
4	ALL OTHER ENDOCRINE AND METABOLIC DISEASES(E15-E34 & E65-E89)	Male	0	0	3	11	20	27	55	51	24	66	23	280	
		Female	0	0	4	6	7	13	25	17	11	47	11	141	
<b>V</b>	<b>MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>14</b>	<b>15</b>	<b>12</b>	<b>16</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>68</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>16</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>14</b>	<b>19</b>	<b>14</b>	<b>24</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>84</b>	
<b>22</b>	<b>MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>14</b>	<b>15</b>	<b>12</b>	<b>16</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>68</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>16</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>14</b>	<b>19</b>	<b>14</b>	<b>24</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>84</b>	
1	MENTAL AND BEHAVIOURAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE(F10-F19)	Male	0	0	0	0	12	13	12	14	1	2	4	58	
		Female	0	0	0	0	0	1	0	2	0	0	0	3	
2	SCHIZOPHRENIA, SCHIZOTYPAL & DELUSIONAL DISORDERS(F20-F29)	Male	0	0	0	0	2	2	0	1	1	1	0	7	
		Female	0	0	0	0	0	2	2	3	0	0	0	7	
3	ALL OTHER MENTAL BEHAVIOURAL DISORDERS(F01-F09,F30-F99)	Male	0	0	0	1	0	0	0	1	0	1	0	3	
		Female	0	0	1	0	0	1	0	3	1	0	0	6	
<b>VI</b>	<b>DISEASES OF THE NERVOUS SYSTEM(G00-G98)</b>	<b>Male</b>	<b>51</b>	<b>61</b>	<b>122</b>	<b>137</b>	<b>203</b>	<b>352</b>	<b>412</b>	<b>380</b>	<b>201</b>	<b>472</b>	<b>119</b>	<b>2510</b>	
		<b>Female</b>	<b>21</b>	<b>45</b>	<b>91</b>	<b>108</b>	<b>104</b>	<b>116</b>	<b>202</b>	<b>254</b>	<b>140</b>	<b>323</b>	<b>42</b>	<b>1446</b>	
		<b>Total</b>	<b>72</b>	<b>106</b>	<b>213</b>	<b>245</b>	<b>307</b>	<b>468</b>	<b>614</b>	<b>634</b>	<b>341</b>	<b>795</b>	<b>161</b>	<b>3956</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
<b>23</b>	<b>INFLAMMATORY DISEASES OF THE CENTRAL</b>	<b>Male</b>	<b>51</b>	<b>23</b>	<b>42</b>	<b>36</b>	<b>33</b>	<b>57</b>	<b>71</b>	<b>41</b>	<b>26</b>	<b>45</b>	<b>45</b>	<b>470</b>	
	<b>NERVOUS SYTEM(G00-G09)</b>	<b>Female</b>	<b>21</b>	<b>18</b>	<b>24</b>	<b>18</b>	<b>34</b>	<b>26</b>	<b>38</b>	<b>28</b>	<b>25</b>	<b>29</b>	<b>10</b>	<b>271</b>	
		<b>Total</b>	<b>72</b>	<b>41</b>	<b>66</b>	<b>54</b>	<b>67</b>	<b>83</b>	<b>109</b>	<b>69</b>	<b>51</b>	<b>74</b>	<b>55</b>	<b>741</b>	
1	MENINGITIS(G00 & G03)	Male	45	12	21	15	15	25	32	15	9	17	23	229	
		Female	16	12	12	11	15	14	20	10	11	11	5	137	
2	ENCEPHALITIS,MYELITIS AND ENCEPHALOMYELITIS(G04)	Male	6	11	20	18	15	31	38	25	17	28	21	230	
		Female	5	6	12	6	9	11	16	17	14	18	5	119	
3	OTHER INFLAMMATORY DISEASES OF THE CENTRAL	Male	0	0	1	3	3	1	1	1	0	0	1	11	
	NERVOUS SYSTEM(G06,G08-G09)	Female	0	0	0	1	10	1	2	1	0	0	0	15	
<b>24</b>	<b>OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G98)</b>	<b>Male</b>	<b>0</b>	<b>38</b>	<b>80</b>	<b>101</b>	<b>170</b>	<b>295</b>	<b>341</b>	<b>339</b>	<b>175</b>	<b>427</b>	<b>74</b>	<b>2040</b>	
		<b>Female</b>	<b>0</b>	<b>27</b>	<b>67</b>	<b>90</b>	<b>70</b>	<b>90</b>	<b>164</b>	<b>226</b>	<b>115</b>	<b>294</b>	<b>32</b>	<b>1175</b>	
		<b>Total</b>	<b>0</b>	<b>65</b>	<b>147</b>	<b>191</b>	<b>240</b>	<b>385</b>	<b>505</b>	<b>565</b>	<b>290</b>	<b>721</b>	<b>106</b>	<b>3215</b>	
1	ALZHEIMER'S DISEASE(G30)	Male	0	0	0	0	0	0	0	0	1	7	0	8	
		Female	0	0	0	0	0	0	0	0	0	4	1	5	
2	EPILEPSY(G40-G41)	Male	0	23	31	32	55	77	75	48	39	46	30	456	
		Female	0	18	25	37	18	17	35	22	18	22	14	226	
3	ALL OTHER DISEASES OF THE NERVOUS SYSTEM	Male	0	15	49	69	115	218	266	291	135	374	44	1576	
	(G10-G25,G31,G35-G37,G43-G98)	Female	0	9	42	53	52	73	129	204	97	268	17	944	
<b>VII</b>	<b>DISEASES OF THE EYE AND ADNEXA(H00-H59)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	
<b>25</b>	<b>DISEASES OF THE EYE AND ADNEXA(H00-H59)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	
1	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	0	0	1	1	0	0	1	0	3	
		Female	0	0	0	1	0	0	0	0	0	0	0	1	

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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	
<b>VIII</b>	<b>DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)</b>	Male	0	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	1	0	0	0	1
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>26</b>	<b>DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)</b>	Male	0	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	1	0	0	0	1
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>
1	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	0	0	0	0	1	0	1
		Female	0	0	0	0	0	0	0	0	1	0	0	0	1
<b>IX</b>	<b>DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)</b>	Male	0	1	10	285	1321	2547	5157	6410	3878	8735	1061	29405	
		Female	0	3	5	217	568	1034	2217	3430	2224	6380	401	16479	
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>15</b>	<b>502</b>	<b>1889</b>	<b>3581</b>	<b>7374</b>	<b>9840</b>	<b>6102</b>	<b>15115</b>	<b>1462</b>	<b>45884</b>	
<b>27</b>	<b>ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES(I00-I09)</b>	Male	0	1	10	22	25	38	60	73	21	38	10	298	
		Female	0	3	5	15	35	98	94	87	25	33	6	401	
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>15</b>	<b>37</b>	<b>60</b>	<b>136</b>	<b>154</b>	<b>160</b>	<b>46</b>	<b>71</b>	<b>16</b>	<b>699</b>	
1	ACUTE RHEUMATIC FEVER(I00-I02)	Male	0	0	0	0	2	2	0	0	0	1	1	6	
		Female	0	0	3	4	0	2	0	5	0	0	0	0	14
2	CHRONIC RHEUMATIC HEART DISEASES(I05-I09)	Male	0	1	10	22	23	36	60	73	21	37	9	292	
		Female	0	3	2	11	35	96	94	82	25	33	6	387	
<b>28</b>	<b>HYPERTENSIVE DISEASES(I10-I15)</b>	Male	0	0	0	0	155	336	777	917	653	1205	169	4212	
		Female	0	0	0	0	49	106	333	516	394	963	71	2432	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>204</b>	<b>442</b>	<b>1110</b>	<b>1433</b>	<b>1047</b>	<b>2168</b>	<b>240</b>	<b>6644</b>	
1	HYPERTENSIVE HEART DISEASES(I11)	Male	0	0	0	0	0	0	0	6	0	1	0	7	
		Female	0	0	0	0	0	1	0	0	2	1	0	4	
2	ALL OTHER HYPERTENSIVE DISEASES(I10,I12-I15)	Male	0	0	0	0	155	336	777	911	653	1204	169	4205	
		Female	0	0	0	0	49	105	333	516	392	962	71	2428	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
29	ISCHAEMIC HEART DISEASES(I20-I25)	Male	0	0	0	0	383	783	1746	2349	1429	3102	435	10227	
		Female	0	0	0	0	105	240	648	1170	770	2163	129	5225	
		Total	0	0	0	0	488	1023	2394	3519	2199	5265	564	15452	
1	ACUTE MYOCARDIAL INFARCTION(I21-I22)	Male	0	0	0	0	238	460	986	1261	679	1363	245	5232	
		Female	0	0	0	0	54	114	341	608	400	1090	80	2687	
2	ALL OTHER ISCHAEMIC HEART DISEASES(I20& I23-I25)	Male	0	0	0	0	145	323	760	1088	750	1739	190	4995	
		Female	0	0	0	0	51	126	307	562	370	1073	49	2538	
30	DISEASES OF PULMONARY CIRCULATION AND OTHER FORMS OF HEART DISEASE(I26-I51)	Male	0	0	0	263	511	835	1541	1715	938	2374	276	8453	
		Female	0	0	0	202	263	389	700	1028	579	1726	119	5006	
		Total	0	0	0	465	774	1224	2241	2743	1517	4100	395	13459	
1	PULMONARY HEART DISEASES AND DISEASES OF PULMONARY CIRCULATION(I26-I28)	Male	0	0	0	0	22	24	37	41	21	37	9	191	
		Female	0	0	0	0	7	12	14	33	19	26	2	113	
2	OTHER FORMS OF HEART DISEASES(I30-I51)	Male	0	0	0	263	489	811	1504	1674	917	2337	267	8262	
		Female	0	0	0	202	256	377	686	995	560	1700	117	4893	
31	CEREBROVASCULAR DISEASES(I60-I69)	Male	0	0	0	0	218	476	971	1239	755	1877	163	5699	
		Female	0	0	0	0	90	176	392	583	418	1404	68	3131	
		Total	0	0	0	0	308	652	1363	1822	1173	3281	231	8830	
1	CEREBROVASCULAR DISEASES(I60-I69)	Male	0	0	0	0	218	476	971	1239	755	1877	163	5699	
		Female	0	0	0	0	90	176	392	583	418	1404	68	3131	
32	OTHER DISEASES OF THE CIRCULATORY SYSTEM(I70-I99)	Male	0	0	0	0	29	79	62	117	82	139	8	516	
		Female	0	0	0	0	26	25	50	46	38	91	8	284	
		Total	0	0	0	0	55	104	112	163	120	230	16	800	
1	ATHEROSCLEROSIS(I70)	Male	0	0	0	0	0	2	3	7	5	4	0	21	
		Female	0	0	0	0	3	0	6	0	4	5	0	18	



TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
2	ARTERIAL EMBOLISM AND THROMBOSIS(I74)	Male	0	0	0	0	4	7	1	5	2	4	1	24	
		Female	0	0	0	0	3	4	2	5	6	4	0	24	
3	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES(I71-I73 & I77-I78)	Male	0	0	0	0	3	6	2	4	7	9	0	31	
		Female	0	0	0	0	0	1	3	6	0	6	0	16	
4	PHLEBITIS,THROMBOPHLEBITIS,VENOUS EMBOLISM AND THROMBOSIS(I80-I82)	Male	0	0	0	0	1	2	3	6	10	3	0	25	
		Female	0	0	0	0	1	1	0	2	0	8	0	12	
5	ALL OTHER DISEASES OF THE CIRCULATORY SYSTEM(I83-I99)	Male	0	0	0	0	21	62	53	95	58	119	7	415	
		Female	0	0	0	0	19	19	39	33	28	68	8	214	
<b>X</b>	<b>DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)</b>	<b>Male</b>	<b>0</b>	<b>25</b>	<b>108</b>	<b>438</b>	<b>808</b>	<b>922</b>	<b>1657</b>	<b>2190</b>	<b>1291</b>	<b>3365</b>	<b>345</b>	<b>11149</b>	
		<b>Female</b>	<b>0</b>	<b>15</b>	<b>67</b>	<b>328</b>	<b>417</b>	<b>419</b>	<b>689</b>	<b>1122</b>	<b>679</b>	<b>1772</b>	<b>127</b>	<b>5635</b>	
		<b>Total</b>	<b>0</b>	<b>40</b>	<b>175</b>	<b>766</b>	<b>1225</b>	<b>1341</b>	<b>2346</b>	<b>3312</b>	<b>1970</b>	<b>5137</b>	<b>472</b>	<b>16784</b>	
<b>33</b>	<b>DISEASES OF THE UPPER RESPIRATORY TRACT</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>13</b>	
	<b>(J00-J06 &amp; J30-J39)</b>	<b>Female</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>9</b>	
		<b>Total</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>22</b>	
1	ACUTE PHARYNGITIS AND ACUTE TONSILLITIS(J02-J03)	Male	0	0	1	0	0	0	0	1	1	0	0	3	
		Female	0	1	0	0	0	1	0	0	0	0	1	3	
2	ACUTE LARYNGITIS AND TRACHEITIS(J04)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	1	0	0	0	0	0	0	0	0	1	
3	OTHER ACUTE UPPER RESPIRATORY INFECTIONS(J00-J01 & J05-J06)	Male	0	2	0	0	0	0	0	0	0	0	0	2	
		Female	0	0	0	0	0	0	0	0	0	0	1	1	
4	ALL OTHER DISEASES OF UPPER RESPIRATORY TRACT(J30-J39)	Male	0	0	0	2	1	1	2	0	0	2	0	8	
		Female	0	0	0	0	0	0	1	0	2	1	0	4	
<b>34</b>	<b>LOWER RESPIRATORY DISEASES(J20-J22 &amp; J40-J47)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>118</b>	<b>110</b>	<b>282</b>	<b>721</b>	<b>1141</b>	<b>775</b>	<b>1895</b>	<b>240</b>	<b>5282</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>67</b>	<b>108</b>	<b>246</b>	<b>483</b>	<b>332</b>	<b>797</b>	<b>88</b>	<b>2191</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>188</b>	<b>177</b>	<b>390</b>	<b>967</b>	<b>1624</b>	<b>1107</b>	<b>2692</b>	<b>328</b>	<b>7473</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
1	ACUTE BRONCHITIS AND ACUTE BRONCHIOLITIS(J20-J21)	Male	0	0	0	0	1	1	3	2	3	5	0	15	
		Female	0	0	0	0	0	0	1	1	1	1	0	4	
2	BRONCHITIS, CHRONIC AND UNSPECIFIED EMPHYSEMA(J40-J43)	Male	0	0	0	1	0	1	4	10	5	13	0	34	
		Female	0	0	0	1	0	1	1	2	0	12	0	17	
3	ASTHMA(J45-J46)	Male	0	0	0	40	62	123	228	233	165	201	29	1081	
		Female	0	0	0	35	39	71	115	192	129	179	17	777	
4	OTHER LOWER RESPIRATORY DISORDERS(J22,J44 & J47)	Male	0	0	0	77	47	157	486	896	602	1676	211	4152	
		Female	0	0	0	34	28	36	129	288	202	605	71	1393	
<b>35</b>	<b>OTHER DISEASES OF THE RESPIRATORY SYSTEM(J10-J18,J60-J98)</b>	<b>Male</b>	<b>0</b>	<b>23</b>	<b>107</b>	<b>318</b>	<b>697</b>	<b>639</b>	<b>934</b>	<b>1048</b>	<b>515</b>	<b>1468</b>	<b>105</b>	<b>5854</b>	
		<b>Female</b>	<b>0</b>	<b>14</b>	<b>66</b>	<b>258</b>	<b>350</b>	<b>310</b>	<b>442</b>	<b>639</b>	<b>345</b>	<b>974</b>	<b>37</b>	<b>3435</b>	
		<b>Total</b>	<b>0</b>	<b>37</b>	<b>173</b>	<b>576</b>	<b>1047</b>	<b>949</b>	<b>1376</b>	<b>1687</b>	<b>860</b>	<b>2442</b>	<b>142</b>	<b>9289</b>	
1	INFLUENZA(J10-J11)	Male	0	1	2	4	1	2	5	7	4	7	1	34	
		Female	0	0	1	1	1	2	2	2	3	5	0	17	
2	PNEUMONIA(J12-J18)	Male	0	22	24	131	359	97	157	184	96	255	8	1333	
		Female	0	14	8	92	182	64	73	127	63	155	4	782	
3	PLEURISY(J90)	Male	0	0	1	0	1	4	7	3	7	6	0	29	
		Female	0	0	0	3	1	2	9	7	1	8	0	31	
4	ALL OTHER DISEASES OF THE RESPIRATORY SYSTEM(J60-J86,J92-J98)	Male	0	0	80	183	336	536	765	854	408	1200	96	4458	
		Female	0	0	57	162	166	242	358	503	278	806	33	2605	
<b>XI</b>	<b>DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)</b>	<b>Male</b>	<b>0</b>	<b>26</b>	<b>48</b>	<b>344</b>	<b>875</b>	<b>1704</b>	<b>1944</b>	<b>1252</b>	<b>411</b>	<b>595</b>	<b>250</b>	<b>7449</b>	
		<b>Female</b>	<b>0</b>	<b>18</b>	<b>50</b>	<b>233</b>	<b>119</b>	<b>268</b>	<b>408</b>	<b>340</b>	<b>139</b>	<b>334</b>	<b>47</b>	<b>1956</b>	
		<b>Total</b>	<b>0</b>	<b>44</b>	<b>98</b>	<b>577</b>	<b>994</b>	<b>1972</b>	<b>2352</b>	<b>1592</b>	<b>550</b>	<b>929</b>	<b>297</b>	<b>9405</b>	
<b>36</b>	<b>DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS(K00-K14)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>10</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>14</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
1	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS(K00-K14)	Male	0	0	0	0	1	2	3	2	0	2	0	10	
		Female	0	0	0	1	0	0	0	2	0	1	0	4	
<b>37</b>	<b>DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM(K20-K92)</b>	<b>Male</b>	<b>0</b>	<b>26</b>	<b>48</b>	<b>344</b>	<b>874</b>	<b>1702</b>	<b>1941</b>	<b>1250</b>	<b>411</b>	<b>593</b>	<b>250</b>	<b>7439</b>	
		<b>Female</b>	<b>0</b>	<b>18</b>	<b>50</b>	<b>232</b>	<b>119</b>	<b>268</b>	<b>408</b>	<b>338</b>	<b>139</b>	<b>333</b>	<b>47</b>	<b>1952</b>	
		<b>Total</b>	<b>0</b>	<b>44</b>	<b>98</b>	<b>576</b>	<b>993</b>	<b>1970</b>	<b>2349</b>	<b>1588</b>	<b>550</b>	<b>926</b>	<b>297</b>	<b>9391</b>	
1	GASTRIC AND DUODENAL ULCER(K25-K27)	Male	0	0	0	2	0	7	4	4	7	2	1	27	
		Female	0	0	0	2	0	1	9	0	1	7	0	20	
2	GASTRITIS AND DUODENITIS (K29)	Male	0	0	0	0	0	1	0	1	2	0	0	4	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
3	DISEASES OF APPENDIX(K35-K38)	Male	0	0	0	1	8	5	12	13	2	3	0	44	
		Female	0	0	0	0	0	0	6	3	2	5	0	16	
4	HERNIA(K40-K46)	Male	0	0	0	3	0	6	2	5	5	16	0	37	
		Female	0	0	0	0	2	4	1	1	0	2	0	10	
5	PARALYTIC ILEUS AND INTESTINAL OBSTRUCTION WITHOUT HERNIA(K56)	Male	0	0	1	0	5	9	9	10	2	7	0	43	
		Female	0	0	0	3	0	2	3	6	2	2	0	18	
6	PERITONITIS(K65)	Male	0	0	1	19	54	61	55	65	19	45	12	331	
		Female	0	0	9	25	15	18	27	17	14	25	3	153	
7	DISEASES OF THE LIVER(K70-K76)	Male	0	22	34	260	620	1332	1605	902	296	398	180	5649	
		Female	0	14	28	168	70	183	289	245	94	202	28	1321	
8	CHOLELITHIASIS AND CHOLECYSTITIS(K80-K81)	Male	0	0	0	0	0	1	2	9	0	3	1	16	
		Female	0	0	0	2	0	0	1	1	1	4	0	9	
9	DISORDERS OF THE PANCREAS(K85-K86)	Male	0	0	0	39	117	157	103	93	17	19	13	558	
		Female	0	0	0	14	15	13	18	17	8	14	4	103	

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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	
10	ALL OTHER DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM	Male	0	4	12	20	70	123	149	148	61	100	43	730	
	(K20-K22,K28,K30-K35,K50-K55,K57-K63,K66,K82-K83 & K90-K92)	Female	0	4	13	18	17	47	54	48	17	72	12	302	
<b>XII</b>	<b>DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>10</b>	<b>30</b>	<b>61</b>	<b>116</b>	<b>141</b>	<b>78</b>	<b>219</b>	<b>39</b>	<b>700</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>16</b>	<b>6</b>	<b>25</b>	<b>33</b>	<b>58</b>	<b>43</b>	<b>87</b>	<b>10</b>	<b>284</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>26</b>	<b>36</b>	<b>86</b>	<b>149</b>	<b>199</b>	<b>121</b>	<b>306</b>	<b>49</b>	<b>984</b>	
<b>38</b>	<b>DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>10</b>	<b>30</b>	<b>61</b>	<b>116</b>	<b>141</b>	<b>78</b>	<b>219</b>	<b>39</b>	<b>700</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>16</b>	<b>6</b>	<b>25</b>	<b>33</b>	<b>58</b>	<b>43</b>	<b>87</b>	<b>10</b>	<b>284</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>26</b>	<b>36</b>	<b>86</b>	<b>149</b>	<b>199</b>	<b>121</b>	<b>306</b>	<b>49</b>	<b>984</b>	
1	INFECTIONS OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L08)	Male	0	0	6	8	27	54	109	136	74	212	39	665	
		Female	0	0	5	9	4	25	29	51	40	84	8	255	
2	ALL OTHER DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L10-L98)	Male	0	0	0	2	3	7	7	5	4	7	0	35	
		Female	0	0	1	7	2	0	4	7	3	3	2	29	
<b>XIII</b>	<b>DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>6</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>15</b>	<b>1</b>	<b>61</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>18</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>10</b>	<b>16</b>	<b>14</b>	<b>11</b>	<b>23</b>	<b>1</b>	<b>79</b>	
<b>39</b>	<b>DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>6</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>15</b>	<b>1</b>	<b>61</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>18</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>10</b>	<b>16</b>	<b>14</b>	<b>11</b>	<b>23</b>	<b>1</b>	<b>79</b>	
1	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES(M05-M13)	Male	0	0	0	0	0	0	0	0	0	1	0	1	
		Female	0	0	0	0	0	0	0	0	0	4	0	4	
2	OSTEOMYELITIS(M86)	Male	0	0	0	0	0	0	0	1	1	2	0	4	
		Female	0	0	0	0	0	0	0	0	0	1	0	1	
3	ALL OTHER DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M02,M15-M85,M87-M99)	Male	0	0	1	2	1	6	12	11	10	12	1	56	
		Female	0	0	0	0	0	4	4	2	0	3	0	13	

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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	
<b>XIV</b>	<b>DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)</b>	Male	0	1	23	28	48	454	873	1072	558	1584	115	4756	
		Female	0	0	16	26	34	235	421	549	345	976	44	2646	
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>39</b>	<b>54</b>	<b>82</b>	<b>689</b>	<b>1294</b>	<b>1621</b>	<b>903</b>	<b>2560</b>	<b>159</b>	<b>7402</b>	
<b>40</b>	<b>DISEASES OF URINARY SYSTEM(N00-N39)</b>	Male	0	1	23	28	46	452	870	1069	556	1582	111	4738	
		Female	0	0	16	25	34	235	419	545	339	972	42	2627	
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>39</b>	<b>53</b>	<b>80</b>	<b>687</b>	<b>1289</b>	<b>1614</b>	<b>895</b>	<b>2554</b>	<b>153</b>	<b>7365</b>	
1	GLOMERULAR DISEASES(INCLUDING NEPHRITIC SYNDROME)(N00-N07)	Male	0	1	0	0	1	0	2	0	0	4	0	8	
		Female	0	0	1	0	3	0	0	0	0	1	0	5	
2	RENAL TUBULO-INTERSTITIAL DISEASES(N10-N15)	Male	0	0	1	0	2	5	4	0	4	3	0	19	
		Female	0	0	0	1	1	0	3	3	0	1	3	12	
3	RENAL FAILURE(N17-N19)	Male	0	0	22	17	24	362	731	953	472	1373	100	4054	
		Female	0	0	15	17	18	206	371	457	247	854	34	2219	
4	UROLITHIASIS(N20-N23)	Male	0	0	0	0	0	0	0	3	0	3	0	6	
		Female	0	0	0	0	0	0	0	0	3	1	0	4	
5	OTHER DISORDERS OF KIDNEY AND URETER(N25-N28)	Male	0	0	0	7	7	75	104	93	68	156	6	516	
		Female	0	0	0	4	4	19	30	65	72	82	3	279	
6	ALL OTHER DISEASES OF URINARY SYSTEM(N30-N39)	Male	0	0	0	4	12	10	29	20	12	43	5	135	
		Female	0	0	0	3	8	10	15	20	17	33	2	108	
<b>41</b>	<b>OTHER DISEASES OF THE GENITOURINARY SYSTEM(N40-N99)</b>	Male	0	0	0	0	2	2	3	3	2	2	4	18	
		Female	0	0	0	1	0	0	2	4	6	4	2	19	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>7</b>	<b>8</b>	<b>6</b>	<b>6</b>	<b>37</b>	
1	HYPERPLASIA OF PROSTATE(N40)	Male	0	0	0	0	0	0	2	1	2	2	4	11	
		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	2	2	1	2	0	0	0	7	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	

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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	
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	1	2	1	0	2	6	
4	ALL OTHER DISEASES OF FEMALE GENITAL ORGANS	Male	0	0	0	0	0	0	0	0	0	0	0	0	
	(N60-N64,N71-N76,N80-N99)	Female	0	0	0	1	0	0	1	2	5	4	0	13	
<b>XV</b>	<b>PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)</b>	<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>97</b>	<b>134</b>	<b>23</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>266</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>97</b>	<b>134</b>	<b>23</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>266</b>	
<b>42</b>	<b>PREGNANCY WITH ABORTIVE OUTCOME (O00-O08)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	
1	SPONTANEOUS ABORTION (O03)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	1	1	0	0	0	0	0	0	2	
2	MEDICAL ABORTION(O04)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	1	0	0	0	0	0	0	1	
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	5	0	0	0	0	0	0	0	5	
<b>43</b>	<b>OTHER DIRECT OBSTETRIC DEATHS (O10-O92)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>89</b>	<b>130</b>	<b>21</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>252</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>89</b>	<b>130</b>	<b>21</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>252</b>	
1	OEDEMA,PROTEINURIA AND HYPERTENSIVE DISORDERS IN PREGNANCY, CHILD BIRTH AND PUERPERIUM(O10-O16)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	70	91	13	4	0	0	0	0	178	
2	INFECTIONS OF GENITOURINARY TRACT IN PREGNANCY(O23)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	

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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	
3	OBSTRUCTED LABOUR(O64-O66)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	2	0	0	0	0	0	0	2	
4	COMPLICATIONS PRE-DOMINANTLY RELATED TO THE PUERPERIUM(O85-O92)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	6	7	2	2	0	0	0	0	17	
5	OTHER COMPLICATIONS OF PREGNANCY AND DELIVERY(O20-O22,O24-O63,O67-O84)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	13	30	6	6	0	0	0	0	55	
<b>44</b>	<b>OTHER OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED(O95-O99)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	
1	INDIRECT OBSTETRIC DEATHS(O98-O99)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	2	1	0	0	0	0	0	0	3	
2	ALL OTHER OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED (O95-O97)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	1	2	0	0	0	0	0	3	
<b>XVI</b>	<b>CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)</b>	<b>Male</b>	<b>6078</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6078</b>	
		<b>Female</b>	<b>4233</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4233</b>	
		<b>Total</b>	<b>10311</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10311</b>	
<b>45</b>	<b>CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)</b>	<b>Male</b>	<b>6078</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6078</b>	
		<b>Female</b>	<b>4233</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4233</b>	
		<b>Total</b>	<b>10311</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10311</b>	
1	SLOW FETAL GROWTH,FETAL MALNUTRITION AND IMMATUREITY (P05-P07)	Male	2800	0	0	0	0	0	0	0	0	0	0	2800	
		Female	1948	0	0	0	0	0	0	0	0	0	0	1948	
2	BIRTH TRAUMA(P10-P15)	Male	1	0	0	0	0	0	0	0	0	0	0	1	
		Female	3	0	0	0	0	0	0	0	0	0	0	3	
3	HYPOXIA,BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS(P20-P28)	Male	2219	0	0	0	0	0	0	0	0	0	0	2219	
		Female	1527	0	0	0	0	0	0	0	0	0	0	1527	

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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	
4	HAEMOLYTIC DISEASE OF FETUS AND NEW-BORN (P55)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
5	OTHER PERINATAL JAUNDICE(P58-P59)	Male	8	0	0	0	0	0	0	0	0	0	0	8	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
6	ALL OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P04,P08,P29-P54, P56-P57,P60-P96)	Male	1050	0	0	0	0	0	0	0	0	0	0	1050	
		Female	755	0	0	0	0	0	0	0	0	0	0	755	
<b>XVII</b>	<b>CONGENITAL MALFORMATIONS,DEFORMATIONS &amp; CHROMOSOMAL ABNORMALITIES(Q00-Q99)</b>	<b>Male</b>	<b>897</b>	<b>381</b>	<b>317</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1595</b>	
		<b>Female</b>	<b>543</b>	<b>274</b>	<b>240</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1057</b>	
		<b>Total</b>	<b>1440</b>	<b>655</b>	<b>557</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2652</b>	
<b>46</b>	<b>CONGENITAL MALFORMATIONS,DEFORMATIONS &amp; CHROMOSOMAL ABNORMALITIES(Q00-Q99)</b>	<b>Male</b>	<b>897</b>	<b>381</b>	<b>317</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1595</b>	
		<b>Female</b>	<b>543</b>	<b>274</b>	<b>240</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1057</b>	
		<b>Total</b>	<b>1440</b>	<b>655</b>	<b>557</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2652</b>	
1	SPINA BIFIDA(Q05)	Male	11	0	0	0	0	0	0	0	0	0	0	11	
		Female	8	0	0	0	0	0	0	0	0	0	0	8	
2	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM (Q20-Q28)	Male	678	302	273	0	0	0	0	0	0	0	0	1253	
		Female	423	213	216	0	0	0	0	0	0	0	0	852	
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	208	79	44	0	0	0	0	0	0	0	0	331	
		Female	112	61	24	0	0	0	0	0	0	0	0	197	
<b>XVIII</b>	<b>SYMPTOMS,SIGNS AND ABNORMAL CLINICAL &amp; LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R99)</b>	<b>Male</b>	<b>0</b>	<b>41</b>	<b>17</b>	<b>46</b>	<b>111</b>	<b>167</b>	<b>290</b>	<b>283</b>	<b>152</b>	<b>1725</b>	<b>156</b>	<b>2988</b>	
		<b>Female</b>	<b>0</b>	<b>30</b>	<b>12</b>	<b>30</b>	<b>52</b>	<b>66</b>	<b>103</b>	<b>89</b>	<b>87</b>	<b>1036</b>	<b>76</b>	<b>1581</b>	
		<b>Total</b>	<b>0</b>	<b>71</b>	<b>29</b>	<b>76</b>	<b>163</b>	<b>233</b>	<b>393</b>	<b>372</b>	<b>239</b>	<b>2761</b>	<b>232</b>	<b>4569</b>	
<b>47</b>	<b>SYMPTOMS,SIGNS AND ABNORMAL CLINICAL &amp; LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R99)</b>	<b>Male</b>	<b>0</b>	<b>41</b>	<b>17</b>	<b>46</b>	<b>111</b>	<b>167</b>	<b>290</b>	<b>283</b>	<b>152</b>	<b>1725</b>	<b>156</b>	<b>2988</b>	
		<b>Female</b>	<b>0</b>	<b>30</b>	<b>12</b>	<b>30</b>	<b>52</b>	<b>66</b>	<b>103</b>	<b>89</b>	<b>87</b>	<b>1036</b>	<b>76</b>	<b>1581</b>	
		<b>Total</b>	<b>0</b>	<b>71</b>	<b>29</b>	<b>76</b>	<b>163</b>	<b>233</b>	<b>393</b>	<b>372</b>	<b>239</b>	<b>2761</b>	<b>232</b>	<b>4569</b>	



TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
1	ABDOMINAL AND PELVIC PAIN(R10)	Male	0	0	0	0	0	2	0	0	1	3	0	6	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
2	ASCITES(R18)	Male	0	0	0	0	0	0	0	2	0	1	0	3	
		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	1	0	0	0	0	0	1	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
4	FEVER OF UNKNOWN ORIGIN(R50)	Male	0	0	0	0	0	1	0	0	0	4	0	5	
		Female	0	0	1	0	0	0	0	2	0	2	0	5	
5	SENILITY(R54)	Male	0	0	0	0	0	0	0	26	40	584	33	683	
		Female	0	0	0	0	0	0	0	13	36	532	19	600	
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	0	1	0	1	6	4	3	1	13	2	31	
		Female	0	0	0	2	2	2	4	0	2	7	1	20	
8	SHOCK, NOT ELSEWHERE CLASSIFIED(R57)	Male	0	0	1	0	0	1	1	0	1	305	2	311	
		Female	0	0	0	0	0	0	0	3	4	119	1	127	
9	ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	Male	0	41	15	46	110	156	285	252	109	815	119	1948	
	(R00-R09,R11-R17,R19-R39,R41-R49,R51-R53,R58-R99)	Female	0	30	11	28	50	64	99	71	45	376	55	829	
<b>XIX</b>	<b>INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)</b>	<b>Male</b>	<b>10</b>	<b>123</b>	<b>210</b>	<b>1209</b>	<b>1779</b>	<b>1532</b>	<b>1663</b>	<b>1254</b>	<b>456</b>	<b>562</b>	<b>160</b>	<b>8958</b>	
		<b>Female</b>	<b>4</b>	<b>76</b>	<b>154</b>	<b>686</b>	<b>715</b>	<b>560</b>	<b>476</b>	<b>343</b>	<b>158</b>	<b>360</b>	<b>47</b>	<b>3579</b>	
		<b>Total</b>	<b>14</b>	<b>199</b>	<b>364</b>	<b>1895</b>	<b>2494</b>	<b>2092</b>	<b>2139</b>	<b>1597</b>	<b>614</b>	<b>922</b>	<b>207</b>	<b>12537</b>	
<b>48</b>	<b>FRACTURES (S02,S12,S22,S32,S42,S52,S62, S72,S82,S92,T02,T08,T10 &amp; T12)</b>	<b>Male</b>	<b>0</b>	<b>12</b>	<b>5</b>	<b>33</b>	<b>79</b>	<b>50</b>	<b>61</b>	<b>45</b>	<b>35</b>	<b>53</b>	<b>7</b>	<b>380</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>14</b>	<b>6</b>	<b>11</b>	<b>20</b>	<b>13</b>	<b>42</b>	<b>2</b>	<b>112</b>	
		<b>Total</b>	<b>0</b>	<b>12</b>	<b>5</b>	<b>37</b>	<b>93</b>	<b>56</b>	<b>72</b>	<b>65</b>	<b>48</b>	<b>95</b>	<b>9</b>	<b>492</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
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	2	10	23	30	24	14	13	42	7	165	
		Female	0	0	0	2	7	4	5	8	9	38	2	75	
3	FRACTURE OF UPPER LIMB(S42, S52, S62 & T10)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	2	0	0	2	
4	FRACTURE OF LOWER LIMB(S72, S82, S92 & T12)	Male	0	0	0	0	0	1	1	0	1	10	0	13	
		Female	0	0	0	0	0	0	0	0	0	3	0	3	
5	FRACTURES INVOLVING MULTIPLE BODY REGIONS, AND OF UNSPECIFIED BODY REGION(T02)	Male	0	12	3	23	56	19	35	31	21	1	0	201	
		Female	0	0	0	2	7	2	6	12	2	1	0	32	
<b>49</b>	<b>DISLOCATIONS, SPRAINS AND STRAINS OF SPECIFIED AND MULTIPLE BODY REGIONS(S03, S13, S23, S33, S43, S53, S63, S73, S83, S93, T03)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>13</b>	<b>20</b>	<b>13</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>70</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>19</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>16</b>	<b>26</b>	<b>16</b>	<b>7</b>	<b>4</b>	<b>7</b>	<b>0</b>	<b>89</b>	
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	9	13	20	13	6	4	5	0	70	
		Female	0	0	0	4	3	6	3	1	0	2	0	19	
<b>50</b>	<b>INTRACRANIAL AND INTERNAL INJURIES INCLUDING NERVES (S04, S06, S14, S26-S27, S34, S36-S37, S44, S54, S64, S74, S84 &amp; S94)</b>	<b>Male</b>	<b>1</b>	<b>6</b>	<b>5</b>	<b>62</b>	<b>117</b>	<b>80</b>	<b>114</b>	<b>95</b>	<b>25</b>	<b>45</b>	<b>3</b>	<b>553</b>	
		<b>Female</b>	<b>0</b>	<b>1</b>	<b>11</b>	<b>15</b>	<b>19</b>	<b>20</b>	<b>36</b>	<b>18</b>	<b>6</b>	<b>8</b>	<b>0</b>	<b>134</b>	
		<b>Total</b>	<b>1</b>	<b>7</b>	<b>16</b>	<b>77</b>	<b>136</b>	<b>100</b>	<b>150</b>	<b>113</b>	<b>31</b>	<b>53</b>	<b>3</b>	<b>687</b>	
1	INTRACRANIAL AND INTERNAL INJURIES INCLUDING NERVES(S04, S06, S14 S26-S27, S34, S36-S37, S44, S54, S64, S74, S84 & S94)	Male	1	6	5	62	117	80	114	95	25	45	3	553	
		Female	0	1	11	15	19	20	36	18	6	8	0	134	
<b>51</b>	<b>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)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>10</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>30</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>16</b>	<b>7</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>42</b>	

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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	
<b>52</b>	<b>OTHER INJURIES OF SPECIFIED,UNSPECIFIED AND MULTIPLE BODY</b>	<b>Male</b>	<b>3</b>	<b>39</b>	<b>103</b>	<b>591</b>	<b>804</b>	<b>721</b>	<b>826</b>	<b>669</b>	<b>233</b>	<b>258</b>	<b>89</b>	<b>4336</b>	
	<i>REGIONS(S00-S01,S05,S09-S11,S15-S16,S19-S21,S25,S29-S31,S35,</i>	<i>Female</i>	<i>4</i>	<i>21</i>	<i>50</i>	<i>72</i>	<i>117</i>	<i>156</i>	<i>168</i>	<i>134</i>	<i>57</i>	<i>127</i>	<i>16</i>	<i>922</i>	
	<i>,S39-S41,S45-S46,S49-S51,S55-S56,S59-S61,S65-S66,S69-S71,</i>	<b>Total</b>	<b>7</b>	<b>60</b>	<b>153</b>	<b>663</b>	<b>921</b>	<b>877</b>	<b>994</b>	<b>803</b>	<b>290</b>	<b>385</b>	<b>105</b>	<b>5258</b>	
	<i>S75-S76,S79-S81,S85-S86,S89-S91,S95-S96,S99,T00-T01,T06-T07,</i>														
	<i>T09,T11,T13-T14)</i>														
<b>53</b>	<b>EFFECTS OF FOREIGN BODY ENTERING THROUGH NATURAL</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
	<i>ORIFICE(T15-T19)</i>	<i>Female</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	
1	EFFECTS OF FOREIGN BODY ENTERING THROUGH NATURAL ORIFICE(T15-T19)	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	1	
<b>54</b>	<b>BURNS AND CORROSIONS(T20-T32)</b>	<b>Male</b>	<b>4</b>	<b>53</b>	<b>28</b>	<b>110</b>	<b>171</b>	<b>159</b>	<b>152</b>	<b>82</b>	<b>25</b>	<b>44</b>	<b>14</b>	<b>842</b>	
		<i>Female</i>	<i>0</i>	<i>35</i>	<i>61</i>	<i>241</i>	<i>313</i>	<i>184</i>	<i>113</i>	<i>69</i>	<i>39</i>	<i>88</i>	<i>10</i>	<i>1153</i>	
		<b>Total</b>	<b>4</b>	<b>88</b>	<b>89</b>	<b>351</b>	<b>484</b>	<b>343</b>	<b>265</b>	<b>151</b>	<b>64</b>	<b>132</b>	<b>24</b>	<b>1995</b>	
1	BURNS AND CORROSIONS(T20-T32)	Male	4	53	28	110	171	159	152	82	25	44	14	842	
		Female	0	35	61	241	313	184	113	69	39	88	10	1153	
<b>55</b>	<b>POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,</b>	<b>Male</b>	<b>2</b>	<b>10</b>	<b>58</b>	<b>370</b>	<b>525</b>	<b>464</b>	<b>462</b>	<b>330</b>	<b>127</b>	<b>143</b>	<b>42</b>	<b>2533</b>	
	<i>AND TOXIC EFFECTS OF SUBSTANCES CHIEFLY</i>	<i>Female</i>	<i>0</i>	<i>17</i>	<i>32</i>	<i>318</i>	<i>207</i>	<i>165</i>	<i>134</i>	<i>95</i>	<i>40</i>	<i>77</i>	<i>18</i>	<i>1103</i>	
	<i>NONMEDICINAL AS TO SOURCE(T36-T50 &amp; T51-T65)</i>	<b>Total</b>	<b>2</b>	<b>27</b>	<b>90</b>	<b>688</b>	<b>732</b>	<b>629</b>	<b>596</b>	<b>425</b>	<b>167</b>	<b>220</b>	<b>60</b>	<b>3636</b>	
1	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,AND TOXIC EFFECTS	Male	2	10	58	370	525	464	462	330	127	143	42	2533	
	OF SUBSTANCES CHIEFLY NONMEDICINAL AS TO SOURCE (T36-T50 & T51-T65)	Female	0	17	32	318	207	165	134	95	40	77	18	1103	
<b>56</b>	<b>OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES AND</b>	<b>Male</b>	<b>0</b>	<b>3</b>	<b>11</b>	<b>30</b>	<b>59</b>	<b>30</b>	<b>28</b>	<b>20</b>	<b>6</b>	<b>12</b>	<b>5</b>	<b>204</b>	
	<i>CERTAIN EARLY COMPLICATIONS OF TRAUMA (T33-T35,T66-T79)</i>	<i>Female</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>31</i>	<i>34</i>	<i>20</i>	<i>10</i>	<i>2</i>	<i>3</i>	<i>13</i>	<i>1</i>	<i>115</i>	
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>11</b>	<b>61</b>	<b>93</b>	<b>50</b>	<b>38</b>	<b>22</b>	<b>9</b>	<b>25</b>	<b>6</b>	<b>319</b>	
1	OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES AND CERTAIN	Male	0	3	11	30	59	30	28	20	6	12	5	204	
	EARLY COMPLICATION OF TRAUMA (T33-T35,T66-T78 & T79)	Female	0	1	0	31	34	20	10	2	3	13	1	115	
<b>57</b>	<b>COMPLICATIONS OF SURGICAL AND MEDICAL CARE NOT</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>8</b>	
	<i>ELSEWHERE CLASSIFIED(T80-T88)</i>	<i>Female</i>	<i>0</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>3</i>	<i>0</i>	<i>7</i>	
		<b>Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>15</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
1	COMPLICATIONS OF SURGICAL AND MEDICAL CARE NOT ELSEWHERE CLASSIFIED(T80-T88)	Male	0	0	0	1	1	1	2	2	1	0	0	8	
		Female	0	1	0	0	2	1	0	0	0	3	0	7	
<b>58</b>	<b>LATE EFFECTS OF INJURIES,OF POISONING AND OF OTHER CONSEQUENCES OF EXTERNAL CAUSES(T90-T98)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	
1	LATE EFFECTS OF INJURIES,OF POISONING AND OF OTHER CONSEQUENCES OF EXTERNAL CAUSES(T90-T98)	Male	0	0	0	0	0	1	0	1	0	0	0	2	
		Female	0	0	0	0	0	1	0	0	0	0	0	1	
<b>XX</b>	<b>EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)</b>	<b>Male</b>	<b>10</b>	<b>123</b>	<b>210</b>	<b>1209</b>	<b>1779</b>	<b>1532</b>	<b>1663</b>	<b>1254</b>	<b>456</b>	<b>562</b>	<b>160</b>	<b>8958</b>	
		<b>Female</b>	<b>4</b>	<b>76</b>	<b>154</b>	<b>686</b>	<b>715</b>	<b>560</b>	<b>476</b>	<b>343</b>	<b>158</b>	<b>360</b>	<b>47</b>	<b>3579</b>	
		<b>Total</b>	<b>14</b>	<b>199</b>	<b>364</b>	<b>1895</b>	<b>2494</b>	<b>2092</b>	<b>2139</b>	<b>1597</b>	<b>614</b>	<b>922</b>	<b>207</b>	<b>12537</b>	
<b>E48</b>	<b>TRANSPORT ACCIDENTS(V01-V99)</b>	<b>Male</b>	<b>3</b>	<b>41</b>	<b>101</b>	<b>559</b>	<b>820</b>	<b>696</b>	<b>810</b>	<b>649</b>	<b>249</b>	<b>298</b>	<b>91</b>	<b>4317</b>	
		<b>Female</b>	<b>4</b>	<b>14</b>	<b>44</b>	<b>78</b>	<b>128</b>	<b>162</b>	<b>181</b>	<b>145</b>	<b>63</b>	<b>161</b>	<b>17</b>	<b>997</b>	
		<b>Total</b>	<b>7</b>	<b>55</b>	<b>145</b>	<b>637</b>	<b>948</b>	<b>858</b>	<b>991</b>	<b>794</b>	<b>312</b>	<b>459</b>	<b>108</b>	<b>5314</b>	
1	RAILWAY ACCIDENTS(V05,V15,V80,V81, V82,V87 & V88)	Male	0	0	0	2	4	1	4	4	2	2	0	19	
		Female	0	1	0	0	2	0	0	0	0	1	0	4	
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	3	41	101	556	809	692	803	637	246	295	91	4274	
		Female	4	13	44	78	126	162	180	140	63	160	17	987	
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	0	2	0	0	1	1	1	0	5	
		Female	0	0	0	0	0	0	1	1	0	0	0	2	
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	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
6	ALL OTHER TRANSPORT ACCIDENTS(V09,V19,V29, V39,V49,V83-V86,V89, & V98-V99)	Male	0	0	0	1	5	3	3	7	0	0	0	19	
		Female	0	0	0	0	0	0	0	4	0	0	0	4	
<b>E49</b>	<b>ACCIDENTAL FALLS(W00-W19)</b>	<b>Male</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>26</b>	<b>23</b>	<b>23</b>	<b>53</b>	<b>41</b>	<b>14</b>	<b>22</b>	<b>4</b>	<b>213</b>	
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>3</b>	<b>10</b>	<b>1</b>	<b>45</b>	
		<b>Total</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>28</b>	<b>27</b>	<b>32</b>	<b>61</b>	<b>47</b>	<b>17</b>	<b>32</b>	<b>5</b>	<b>258</b>	
1	ACCIDENTAL FALLS(W00-W19)	Male	1	4	2	26	23	23	53	41	14	22	4	213	
		Female	0	2	0	2	4	9	8	6	3	10	1	45	
<b>E50</b>	<b>ACCIDENTAL DROWING AND SUBMERSION(W65-W74)</b>	<b>Male</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>2</b>	<b>1</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>33</b>	
		<b>Female</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	
		<b>Total</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>3</b>	<b>1</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>37</b>	
1	ACCIDENTAL DROWING AND SUBMERSION(W65-W74)	Male	0	5	1	3	7	2	1	11	1	2	0	33	
		Female	0	1	0	1	1	1	0	0	0	0	0	4	
<b>E51</b>	<b>EXPOSURE TO SMOKE, FIRE AND FLAMES(X00-X09)</b>	<b>Male</b>	<b>4</b>	<b>52</b>	<b>26</b>	<b>105</b>	<b>153</b>	<b>144</b>	<b>137</b>	<b>65</b>	<b>23</b>	<b>34</b>	<b>11</b>	<b>754</b>	
		<b>Female</b>	<b>0</b>	<b>30</b>	<b>57</b>	<b>221</b>	<b>286</b>	<b>163</b>	<b>103</b>	<b>59</b>	<b>37</b>	<b>78</b>	<b>10</b>	<b>1044</b>	
		<b>Total</b>	<b>4</b>	<b>82</b>	<b>83</b>	<b>326</b>	<b>439</b>	<b>307</b>	<b>240</b>	<b>124</b>	<b>60</b>	<b>112</b>	<b>21</b>	<b>1798</b>	
1	EXPOSURE TO SMOKE, FIRE AND FLAMES(X00-X09)	Male	4	52	26	105	153	144	137	65	23	34	11	754	
		Female	0	30	57	221	286	163	103	59	37	78	10	1044	
<b>E52</b>	<b>ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES(X40-X49)</b>	<b>Male</b>	<b>1</b>	<b>7</b>	<b>23</b>	<b>214</b>	<b>243</b>	<b>237</b>	<b>261</b>	<b>202</b>	<b>64</b>	<b>90</b>	<b>35</b>	<b>1377</b>	
		<b>Female</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>164</b>	<b>113</b>	<b>68</b>	<b>57</b>	<b>39</b>	<b>26</b>	<b>49</b>	<b>15</b>	<b>559</b>	
		<b>Total</b>	<b>1</b>	<b>21</b>	<b>37</b>	<b>378</b>	<b>356</b>	<b>305</b>	<b>318</b>	<b>241</b>	<b>90</b>	<b>139</b>	<b>50</b>	<b>1936</b>	
1	ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES(X40-X49)	Male	1	7	23	214	243	237	261	202	64	90	35	1377	
		Female	0	14	14	164	113	68	57	39	26	49	15	559	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019

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	
<b>E53</b>	<b>INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED)(X60-X84)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>168</b>	<b>319</b>	<b>242</b>	<b>204</b>	<b>126</b>	<b>51</b>	<b>49</b>	<b>10</b>	<b>1191</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>186</b>	<b>138</b>	<b>110</b>	<b>74</b>	<b>42</b>	<b>7</b>	<b>30</b>	<b>4</b>	<b>601</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>354</b>	<b>457</b>	<b>352</b>	<b>278</b>	<b>168</b>	<b>58</b>	<b>79</b>	<b>14</b>	<b>1792</b>	
1	INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED)(X60-X84)	Male	0	0	22	168	319	242	204	126	51	49	10	1191	
		Female	0	0	10	186	138	110	74	42	7	30	4	601	
<b>E54</b>	<b>ASSAULT(HOMICIDE)(X85-Y09)</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>16</b>	<b>14</b>	<b>26</b>	<b>11</b>	<b>22</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>102</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>20</b>	
		<b>Total</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>19</b>	<b>20</b>	<b>27</b>	<b>13</b>	<b>28</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>122</b>	
1	ASSAULT(HOMICIDE)(X85-Y09)	Male	0	2	3	16	14	26	11	22	4	3	1	102	
		Female	0	0	0	3	6	1	2	6	2	0	0	20	
<b>E55</b>	<b>OTHER VIOLENCE(Y10-Y36)</b>	<b>Male</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>26</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>9</b>	<b>0</b>	<b>19</b>	
		<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>4</b>	<b>3</b>	<b>6</b>	<b>13</b>	<b>0</b>	<b>45</b>	
1	EVENT OF UNDERTERMINED INTENT(Y10-Y34)	Male	1	0	0	1	6	7	3	2	2	4	0	26	
		Female	0	0	0	1	2	1	1	1	4	9	0	19	
2	LEGAL INTERVENTION(Y35)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
3	OPERATIONS OF WAR(Y36)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
<b>E56</b>	<b>COMPLICATIONS OF MEDICAL AND SURGICAL CARE(Y40-Y84)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>5</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>10</b>	
1	DRUGS,MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE (Y40-Y59)	Male	0	0	0	0	0	0	0	0	0	1	0	1	
		Female	0	0	0	0	2	0	0	2	0	0	0	4	

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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	
2	MISADVENTURES DURING SURGICAL AND MEDICAL CARE, ADVERSE	Male	0	0	0	0	0	1	0	1	2	0	0	4	
	INCIDENTS IN DIAGNOUSTIC AND THERAPEUTIC USE, ABNORMAL	Female	0	0	0	0	0	0	0	1	0	0	0	1	
	REACTIONS AND LATE COMPLICATIONS(Y60-Y69,Y70-Y82 & Y83-Y84)														
<b>E57</b>	<b>OTHER EXTERNAL CAUSES OF ACCIDENTAL INJURY,NOT</b>	<b>Male</b>	<b>0</b>	<b>12</b>	<b>32</b>	<b>117</b>	<b>194</b>	<b>154</b>	<b>183</b>	<b>135</b>	<b>46</b>	<b>59</b>	<b>8</b>	<b>940</b>	
	<b>ELSEWHERE CLASSIFIED (W20-W64,W75-W99,X10-X39,X50-X59)</b>	<b>Female</b>	<b>0</b>	<b>15</b>	<b>29</b>	<b>30</b>	<b>35</b>	<b>45</b>	<b>50</b>	<b>42</b>	<b>16</b>	<b>23</b>	<b>0</b>	<b>285</b>	
		<b>Total</b>	<b>0</b>	<b>27</b>	<b>61</b>	<b>147</b>	<b>229</b>	<b>199</b>	<b>233</b>	<b>177</b>	<b>62</b>	<b>82</b>	<b>8</b>	<b>1225</b>	
1	ACCIDENTS CAUSED BY MACHINERY,AND BY CUTTING PIERCING	Male	0	0	0	0	0	2	0	0	0	0	0	2	
	INSTRUMENTS (W24-W31)	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	3	21	14	24	19	34	14	10	9	4	152	
		Female	0	7	12	13	6	22	20	22	8	10	0	120	
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,	Male	0	9	11	103	170	133	149	121	36	50	4	786	
	W35-W64,W75-W99,X10-X19,X28-X29,X30-X31,X33-X39 & X50-X59)	Female	0	8	17	17	29	23	30	20	8	13	0	165	
<b>E58</b>	<b>LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
	<b>AND MORTALITY(Y85-Y89)</b>	<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
1	LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY	Male	0	0	0	0	0	0	0	0	0	0	0	0	
	AND MORTALITY(Y85-Y89)	Female	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>ALL CAUSES</b>	<b>Male</b>	<b>7068</b>	<b>855</b>	<b>1308</b>	<b>3200</b>	<b>6606</b>	<b>10270</b>	<b>16204</b>	<b>17914</b>	<b>9958</b>	<b>22801</b>	<b>3253</b>	<b>99437</b>	
		<b>Female</b>	<b>4818</b>	<b>609</b>	<b>973</b>	<b>2333</b>	<b>3102</b>	<b>4262</b>	<b>7228</b>	<b>9366</b>	<b>5726</b>	<b>15427</b>	<b>1245</b>	<b>55089</b>	
		<b>Total</b>	<b>11886</b>	<b>1464</b>	<b>2281</b>	<b>5533</b>	<b>9708</b>	<b>14532</b>	<b>23432</b>	<b>27280</b>	<b>15684</b>	<b>38228</b>	<b>4498</b>	<b>154526</b>	

**TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2009 to 2019**

Major Group No.	Cause of Death	Sex											
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	<b>CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)</b>	M	8317	8876	8477	8528	9510	8989	9033	9085	8680	8635	8940
		F	4646	5024	4689	5057	4998	4517	4715	4855	4691	4707	4901
		<b>T</b>	<b>12963</b>	<b>13900</b>	<b>13166</b>	<b>13585</b>	<b>14508</b>	<b>13506</b>	<b>13748</b>	<b>13940</b>	<b>13371</b>	<b>13342</b>	<b>13841</b>
2	<b>NEOPLASMS (C00-D48)</b>	M	4594	4367	4366	4545	5525	6214	6546	7659	7761	7992	6737
		F	3219	3200	3213	3239	4055	4692	4872	5625	5565	5616	5455
		<b>T</b>	<b>7813</b>	<b>7567</b>	<b>7579</b>	<b>7784</b>	<b>9580</b>	<b>10906</b>	<b>11418</b>	<b>13284</b>	<b>13326</b>	<b>13608</b>	<b>12192</b>
3	<b>DISEASES OF THE BLOOD &amp; BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)</b>	M	1005	1018	1097	1120	1222	1253	1273	1363	1505	1551	1413
		F	1049	973	912	893	1223	1077	1198	1249	1364	1624	1260
		<b>T</b>	<b>2054</b>	<b>1991</b>	<b>2009</b>	<b>2013</b>	<b>2445</b>	<b>2330</b>	<b>247</b>	<b>2612</b>	<b>2869</b>	<b>3175</b>	<b>2673</b>
4	<b>ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)</b>	M	4853	4630	4599	4874	4606	4523	4619	5464	5656	5936	6626
		F	3091	3156	3237	3232	3432	3320	3508	3962	3873	4269	4275
		<b>T</b>	<b>7944</b>	<b>7786</b>	<b>7836</b>	<b>8106</b>	<b>8038</b>	<b>7843</b>	<b>8127</b>	<b>9426</b>	<b>9529</b>	<b>10205</b>	<b>10901</b>
5	<b>MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)</b>	M	100	89	74	101	192	86	95	109	96	86	68
		F	38	24	31	24	54	34	28	21	25	16	16
		<b>T</b>	<b>138</b>	<b>113</b>	<b>105</b>	<b>125</b>	<b>246</b>	<b>120</b>	<b>123</b>	<b>130</b>	<b>121</b>	<b>102</b>	<b>84</b>
6	<b>DISEASES OF THE NERVOUS SYSTEM(G00-G98)</b>	M	2117	2009	2001	2074	2417	2075	2221	2219	2323	2286	2510
		F	1215	1279	1162	1195	1451	1165	1402	1369	1431	1394	1446
		<b>T</b>	<b>3332</b>	<b>3288</b>	<b>3163</b>	<b>3269</b>	<b>3868</b>	<b>3240</b>	<b>3623</b>	<b>3588</b>	<b>3754</b>	<b>3680</b>	<b>3956</b>
7	<b>DISEASES OF THE EYE AND ADNEXA(H00-H59)</b>	M	2	1	2	4	7	7	2	0	6	2	3
		F	2	0	1	2	5	3	1	1	1	0	1
		<b>T</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>12</b>	<b>10</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>2</b>	<b>4</b>
8	<b>DISEASES OF THE EAR AND MASTOID PROCESS (H60-H95)</b>	M	1	0	5	2	6	5	7	1	1	2	1
		F	3	2	3	1	5	2	1	1	0	0	1
		<b>T</b>	<b>4</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>11</b>	<b>7</b>	<b>8</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>
9	<b>DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)</b>	M	20847	23941	23749	24681	26384	27962	29697	27504	28634	28391	29405
		F	11769	13304	13184	13581	14997	15347	16873	15639	16661	16454	16479
		<b>T</b>	<b>32616</b>	<b>37245</b>	<b>36933</b>	<b>38262</b>	<b>41381</b>	<b>43309</b>	<b>46570</b>	<b>43143</b>	<b>45295</b>	<b>44845</b>	<b>45884</b>
10	<b>DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)</b>	M	5639	6740	6451	6678	8140	8401	8264	8517	8454	8545	11149
		F	2980	3670	3280	3380	4212	3825	4232	4156	4237	4269	5635
		<b>T</b>	<b>8619</b>	<b>1040</b>	<b>9731</b>	<b>10058</b>	<b>12352</b>	<b>12226</b>	<b>12496</b>	<b>12673</b>	<b>12691</b>	<b>12814</b>	<b>16784</b>
11	<b>DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)</b>	M	5468	6225	6466	6700	7788	7936	8235	7801	7705	7788	7449
		F	1501	1634	1608	1523	1750	1716	1811	1889	1833	1880	1956
		<b>T</b>	<b>6969</b>	<b>7859</b>	<b>8074</b>	<b>8223</b>	<b>9538</b>	<b>9652</b>	<b>10046</b>	9690	<b>9538</b>	<b>9668</b>	<b>9405</b>



**TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2009 to 2019**

Major Group No.	Cause of Death	Sex											
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
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	486	463	508	476	708	701	896	742	629	667	700
		F	257	225	264	230	364	373	349	322	313	352	284
		<b>T</b>	<b>743</b>	<b>688</b>	<b>772</b>	<b>706</b>	<b>1072</b>	<b>1074</b>	<b>1245</b>	<b>1064</b>	<b>942</b>	<b>1019</b>	<b>984</b>
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	M	54	88	107	124	162	186	239	186	162	141	61
		F	46	66	84	92	173	121	178	125	103	85	18
		<b>T</b>	<b>100</b>	<b>154</b>	<b>191</b>	<b>216</b>	<b>335</b>	<b>307</b>	<b>417</b>	311	<b>265</b>	<b>226</b>	<b>79</b>
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	M	2446	2766	2544	2722	3143	2907	3271	3827	3907	3841	4756
		F	1379	1413	1528	1457	1821	1669	1868	2113	2126	2074	2646
		<b>T</b>	<b>3825</b>	<b>4179</b>	<b>4072</b>	<b>4179</b>	<b>4964</b>	<b>4576</b>	<b>5139</b>	<b>5940</b>	<b>6033</b>	<b>5915</b>	<b>7402</b>
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	M	0	0	0	0	0	0	0	0	0	0	0
		F	611	848	841	642	758	1069	638	550	433	306	266
		<b>T</b>	<b>611</b>	<b>848</b>	<b>841</b>	<b>642</b>	<b>758</b>	<b>1069</b>	<b>638</b>	550	<b>433</b>	<b>306</b>	<b>266</b>
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	M	6204	6798	7090	6932	8073	9243	5219	5160	4665	5793	6078
		F	4127	4004	4412	4678	5353	5344	3439	3410	3100	3249	4233
		<b>T</b>	<b>10331</b>	<b>10802</b>	<b>11502</b>	<b>11610</b>	<b>13406</b>	<b>14587</b>	<b>8658</b>	<b>8570</b>	<b>7765</b>	<b>9042</b>	<b>10311</b>
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	M	1034	1020	1101	954	1352	1500	1270	1258	1336	1491	1595
		F	756	676	704	665	899	935	830	734	931	961	1057
		<b>T</b>	<b>1790</b>	<b>1696</b>	<b>1805</b>	<b>1619</b>	<b>2251</b>	<b>2435</b>	<b>2100</b>	1992	<b>2267</b>	<b>2452</b>	<b>2652</b>
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	M	2601	1297	1019	793	1389	1537	1819	2320	1945	3121	2988
		F	1720	1018	611	447	1060	1144	1471	1534	1233	2162	1581
		<b>T</b>	<b>4321</b>	<b>2315</b>	<b>1630</b>	<b>1240</b>	<b>2449</b>	<b>2681</b>	<b>3290</b>	3854	<b>3178</b>	<b>5283</b>	<b>4569</b>
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	M	7315	6523	8861	8411	10714	10848	11251	10899	10655	10599	8958
		F	3941	3980	4940	5123	5780	5560	5043	4855	4650	4130	3579
		<b>T</b>	<b>11256</b>	<b>10503</b>	<b>13801</b>	<b>13534</b>	<b>16494</b>	<b>16408</b>	<b>16294</b>	<b>15754</b>	<b>15305</b>	<b>14729</b>	<b>12537</b>
ALL CAUSES	M	73083	76851	78517	79719	91318	94373	93957	94114	94120	96867	99437	
	F	42350	44496	44704	45461	52390	51913	52457	52410	52570	53548	55089	
	<b>T</b>	<b>115433</b>	<b>121347</b>	<b>123221</b>	<b>125180</b>	<b>143708</b>	<b>146286</b>	<b>146414</b>	<b>146524</b>	<b>146690</b>	<b>150415</b>	<b>154526</b>	

**TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2009 TO 2019**

Major Group No.	Cause of Death	Sex	YEARS										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	2	3	5	6	7	8	9	10	11	12	13	14	15
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	M	11.38	11.55	10.80	10.70	10.41	9.52	9.61	9.65	9.22	8.91	8.99
		F	10.97	11.29	10.49	11.12	9.54	8.70	8.99	9.26	8.92	8.79	8.90
		T	<b>11.23</b>	<b>11.45</b>	<b>10.68</b>	<b>10.85</b>	<b>10.10</b>	<b>9.23</b>	<b>9.39</b>	<b>9.51</b>	<b>9.12</b>	<b>8.87</b>	<b>8.96</b>
2	NEOPLASMS (C00-D48)	M	6.29	5.68	5.56	5.70	6.05	6.58	6.97	8.14	8.25	8.25	6.78
		F	7.60	7.19	7.19	7.12	7.74	9.04	9.29	10.73	10.59	10.49	9.90
		T	<b>6.77</b>	<b>6.24</b>	<b>6.15</b>	<b>6.22</b>	<b>6.67</b>	<b>7.46</b>	<b>7.80</b>	<b>9.07</b>	<b>9.08</b>	<b>9.05</b>	<b>7.89</b>
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	M	1.38	1.32	1.40	1.40	1.34	1.33	1.35	1.45	1.60	1.60	1.42
		F	2.48	2.19	2.04	1.96	2.33	2.07	2.28	2.38	2.59	3.03	2.29
		T	<b>1.78</b>	<b>1.64</b>	<b>1.63</b>	<b>1.61</b>	<b>1.70</b>	<b>1.59</b>	<b>1.69</b>	<b>1.78</b>	<b>1.96</b>	<b>2.11</b>	<b>1.73</b>
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	M	6.64	6.02	5.86	6.11	5.04	4.79	4.92	5.81	6.01	6.13	6.66
		F	7.30	7.09	7.24	7.11	6.55	6.40	6.69	7.56	7.37	7.97	7.76
		T	<b>6.88</b>	<b>6.42</b>	<b>6.36</b>	<b>6.48</b>	<b>5.59</b>	<b>5.36</b>	<b>5.55</b>	<b>6.43</b>	<b>6.50</b>	<b>6.78</b>	<b>7.05</b>
5	MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)	M	0.14	0.12	0.09	0.13	0.21	0.09	0.10	0.12	0.10	0.09	0.07
		F	0.09	0.05	0.07	0.05	0.10	0.07	0.05	0.04	0.05	0.03	0.03
		T	<b>0.12</b>	<b>0.09</b>	<b>0.09</b>	<b>0.10</b>	<b>0.17</b>	<b>0.08</b>	<b>0.08</b>	<b>0.09</b>	<b>0.08</b>	<b>0.07</b>	<b>0.05</b>
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	M	2.90	2.16	2.55	2.60	2.65	2.20	2.36	2.36	2.47	2.36	2.52
		F	2.87	2.87	2.60	2.63	2.77	2.24	2.67	2.61	2.72	2.60	2.62
		T	<b>2.89</b>	<b>2.71</b>	<b>2.57</b>	<b>2.61</b>	<b>2.69</b>	<b>2.21</b>	<b>2.47</b>	<b>2.45</b>	<b>2.56</b>	<b>2.45</b>	<b>2.56</b>
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	M	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.00
		F	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
		T	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	M	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00
		F	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
		T	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	0.00	<b>0.01</b>	<b>0.00</b>	<b>0.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	M	28.53	31.15	30.25	30.96	28.89	29.63	31.61	29.22	30.42	29.31	29.57
		F	27.79	29.90	29.49	29.87	28.63	29.56	32.17	29.84	31.69	30.73	29.91
		T	<b>28.26</b>	<b>30.69</b>	<b>29.97</b>	<b>30.57</b>	<b>28.80</b>	<b>29.61</b>	<b>31.81</b>	<b>29.44</b>	<b>30.88</b>	<b>29.82</b>	<b>29.69</b>
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	M	7.72	8.77	8.22	8.38	8.91	8.90	8.80	9.05	8.98	8.82	11.21
		F	7.04	8.25	7.34	7.43	8.04	7.37	8.07	7.93	8.06	7.97	10.23
		T	<b>7.47</b>	<b>8.58</b>	<b>7.90</b>	<b>8.03</b>	<b>8.60</b>	<b>8.36</b>	<b>8.53</b>	<b>8.65</b>	<b>8.65</b>	<b>8.52</b>	<b>10.86</b>

**TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2009 TO 2019**

Major Group No.	Cause of Death	Sex	YEARS										
			2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
1	2	3	5	6	7	8	9	10	11	12	13	14	15
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	M	7.48	8.10	8.24	8.40	8.53	8.41	8.76	8.29	8.19	8.04	7.49
		F	3.54	3.67	3.60	3.35	3.34	3.31	3.45	3.60	3.49	3.51	3.55
		T	<b>6.04</b>	<b>6.48</b>	<b>6.55</b>	<b>6.57</b>	<b>6.64</b>	<b>6.60</b>	<b>6.86</b>	<b>6.61</b>	<b>6.50</b>	<b>6.43</b>	<b>6.09</b>
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	M	0.66	0.60	0.65	0.60	0.78	0.74	0.95	0.79	0.67	0.69	0.70
		F	0.61	0.51	0.59	0.51	0.69	0.72	0.67	0.61	0.60	0.66	0.52
		T	<b>0.64</b>	<b>0.57</b>	<b>0.63</b>	<b>0.56</b>	<b>0.75</b>	<b>0.73</b>	<b>0.85</b>	<b>0.73</b>	<b>0.64</b>	<b>0.68</b>	<b>0.64</b>
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	M	0.07	0.11	0.14	0.16	0.18	<b>0.20</b>	0.25	0.20	0.17	0.15	0.06
		F	0.11	0.15	0.19	0.20	0.33	<b>0.23</b>	0.34	0.24	0.20	0.16	0.03
		T	<b>0.09</b>	<b>0.13</b>	<b>0.16</b>	<b>0.17</b>	<b>0.23</b>	<b>0.21</b>	<b>0.28</b>	<b>0.21</b>	<b>0.18</b>	<b>0.15</b>	<b>0.05</b>
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	M	3.35	3.60	3.24	3.41	3.44	3.08	3.48	4.07	4.15	3.97	4.78
		F	3.26	3.18	3.42	3.20	3.48	3.21	3.56	4.03	4.04	3.87	4.80
		T	<b>3.31</b>	<b>3.44</b>	<b>3.30</b>	<b>3.34</b>	<b>3.45</b>	<b>3.13</b>	<b>3.51</b>	<b>4.05</b>	<b>4.11</b>	<b>3.93</b>	<b>4.79</b>
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		F	1.44	1.91	1.88	1.41	1.45	2.06	1.22	1.05	0.82	0.57	0.48
		T	<b>0.53</b>	<b>0.70</b>	<b>0.68</b>	<b>0.51</b>	<b>0.53</b>	<b>0.73</b>	<b>0.44</b>	<b>0.38</b>	<b>0.30</b>	<b>0.20</b>	<b>0.17</b>
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	M	8.49	8.85	9.03	8.70	8.82	9.79	5.55	5.48	4.96	5.98	6.11
		F	9.74	9.00	9.87	10.29	10.22	10.29	6.56	6.51	5.90	6.07	7.68
		T	<b>8.95</b>	<b>8.90</b>	<b>9.33</b>	<b>9.27</b>	<b>9.33</b>	<b>9.97</b>	<b>5.91</b>	<b>5.85</b>	<b>5.29</b>	<b>6.01</b>	<b>6.67</b>
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	M	1.41	1.33	1.40	1.20	1.48	1.59	1.35	1.34	1.42	1.54	1.60
		F	1.79	1.52	1.57	1.46	1.72	1.80	1.58	1.40	1.77	1.79	1.92
		T	<b>1.55</b>	<b>1.40</b>	<b>1.46</b>	<b>1.29</b>	<b>1.57</b>	<b>1.66</b>	<b>1.43</b>	<b>1.36</b>	<b>1.55</b>	<b>1.63</b>	<b>1.72</b>
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	M	3.56	1.69	1.30	0.99	1.52	1.63	1.94	2.47	2.07	3.22	3.00
		F	4.06	2.29	1.37	0.98	2.02	2.20	2.80	2.93	2.35	4.04	2.87
		T	<b>3.74</b>	<b>1.91</b>	<b>1.32</b>	<b>0.99</b>	<b>1.70</b>	<b>1.83</b>	<b>2.25</b>	<b>2.63</b>	<b>2.17</b>	<b>3.51</b>	<b>2.96</b>
19	INJURY,POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES(S00-T98)	M	10.01	8.49	11.29	10.55	11.73	11.49	11.97	11.58	11.32	10.94	9.01
		F	9.31	8.94	11.05	11.27	11.03	10.71	9.61	9.26	8.85	7.71	6.50
		T	<b>9.75</b>	<b>8.66</b>	<b>11.20</b>	<b>10.81</b>	<b>11.48</b>	<b>11.22</b>	<b>11.13</b>	<b>10.75</b>	<b>10.43</b>	<b>9.79</b>	<b>8.11</b>
ALL CAUSES	M	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
	F	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
	T	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

**TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019**

**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	0.44	17.43	19.42	12.34	13.09	13.28	10.47	8.85	7.79	6.22	12.45	8.99
		Female	0.33	16.58	21.79	14.32	16.57	13.54	11.05	8.72	7.18	6.30	11.89	8.90
		Total	0.40	17.08	20.43	13.18	14.20	13.36	10.65	8.81	7.57	6.25	12.29	8.96
2	NEOPLASMS (C00-D48)	Male	0.01	2.92	8.72	5.28	4.01	5.75	7.04	8.79	9.35	7.55	6.30	6.78
		Female	0.02	5.91	5.76	4.11	6.77	14.38	15.16	13.74	11.11	8.20	12.77	9.90
		Total	0.02	4.17	7.45	4.79	4.89	8.29	9.54	10.49	9.99	7.81	8.09	7.89
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0.00	2.46	3.75	2.28	1.74	1.78	1.46	1.30	1.27	1.33	2.24	1.42
		Female	0.00	1.81	3.08	5.06	5.09	3.07	2.32	2.07	1.94	2.01	2.33	2.29
		Total	0.00	2.19	3.46	3.45	2.81	2.16	1.73	1.56	1.51	1.61	2.27	1.73
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.12	2.22	1.97	2.59	3.61	6.13	8.43	10.92	9.12	9.84	6.66
		Female	0.00	0.00	3.39	1.84	2.29	4.39	8.27	9.31	13.13	10.40	9.24	7.76
		Total	0.00	0.07	2.72	1.92	2.49	3.84	6.79	8.74	11.73	9.64	9.67	7.05
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.00	0.03	0.21	0.15	0.07	0.09	0.02	0.02	0.12	0.07
		Female	0.00	0.00	0.10	0.00	0.00	0.09	0.03	0.09	0.02	0.00	0.00	0.03
		Total	0.00	0.00	0.04	0.02	0.14	0.13	0.06	0.09	0.02	0.01	0.09	0.05
6	DISEASES OF THE NERVOUS SYSTEM (G00-G98)	Male	0.72	7.13	9.33	4.28	3.07	3.43	2.54	2.12	2.02	2.07	3.66	2.52
		Female	0.44	7.39	9.35	4.63	3.35	2.72	2.79	2.71	2.44	2.09	3.37	2.62
		Total	0.61	7.24	9.34	4.43	3.16	3.22	2.62	2.32	2.17	2.08	3.58	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	0.00	0.00	0.00	0.00	0.00
		Female	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	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 2019**

**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	0.00	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	0.01	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	0.12	0.76	8.91	20.00	24.80	31.83	35.78	38.94	38.31	32.62	29.57
		Female	0.00	0.49	0.51	9.30	18.31	24.26	30.67	36.62	38.84	41.36	32.21	29.91
		Total	0.00	0.27	0.66	9.07	19.46	24.64	31.47	36.07	38.91	39.54	32.50	29.69
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0.00	2.92	8.26	13.69	12.23	8.98	10.23	12.23	12.96	14.76	10.61	11.21
		Female	0.00	2.46	6.89	14.06	13.44	9.83	9.53	11.98	11.86	11.49	10.20	10.23
		Total	0.00	2.73	7.67	13.84	12.62	9.23	10.01	12.14	12.56	13.44	10.49	10.86
11	DISEASES OF THE DIGESTIVE SYSTEM (K00-K92)	Male	0.00	3.04	3.67	10.75	13.25	16.59	12.00	6.99	4.13	2.61	7.69	7.49
		Female	0.00	2.96	5.14	9.99	3.84	6.29	5.64	3.63	2.43	2.17	3.78	3.55
		Total	0.00	3.01	4.30	10.43	10.24	13.57	10.04	5.84	3.51	2.43	6.60	6.09
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0.00	0.00	0.46	0.31	0.45	0.59	0.72	0.79	0.78	0.96	1.20	0.70
		Female	0.00	0.00	0.62	0.69	0.19	0.59	0.46	0.62	0.75	0.56	0.80	0.52
		Total	0.00	0.00	0.53	0.47	0.37	0.59	0.64	0.73	0.77	0.80	1.09	0.64
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0.00	0.00	0.08	0.06	0.02	0.06	0.07	0.07	0.11	0.07	0.03	0.06
		Female	0.00	0.00	0.00	0.00	0.00	0.09	0.06	0.02	0.00	0.05	0.00	0.03
		Total	0.00	0.00	0.04	0.04	0.01	0.07	0.07	0.05	0.07	0.06	0.02	0.05
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	0.12	1.76	0.88	0.73	4.42	5.39	5.98	5.60	6.95	3.54	4.78
		Female	0.00	0.00	1.64	1.11	1.10	5.51	5.82	5.86	6.03	6.33	3.53	4.80
		Total	0.00	0.07	1.71	0.98	0.84	4.74	5.52	5.94	5.76	6.70	3.53	4.79

**TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019**

**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	4.16	4.32	0.54	0.17	0.00	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	1.75	1.38	0.16	0.05	0.00	0.00	0.00	0.00	0.00
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	85.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.11
		Female	87.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.68
		Total	86.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.67
17	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES (Q00-Q99)	Male	12.69	44.56	24.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60
		Female	11.27	44.99	24.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92
		Total	12.12	44.74	24.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	Male	0.00	4.80	1.30	1.44	1.68	1.63	1.79	1.58	1.53	7.57	4.80	3.00
		Female	0.00	4.93	1.23	1.29	1.68	1.55	1.43	0.95	1.52	6.72	6.10	2.87
		Total	0.00	4.85	1.27	1.37	1.68	1.60	1.68	1.36	1.52	7.22	5.16	2.96
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	0.14	14.39	16.06	37.78	26.93	14.92	10.26	7.00	4.58	2.46	4.92	9.01
		Female	0.08	12.48	15.83	29.40	23.05	13.14	6.59	3.66	2.76	2.33	3.78	6.50
		Total	0.12	13.59	15.96	34.25	25.69	14.40	9.13	5.85	3.91	2.41	4.60	8.11
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	0.14	14.39	16.06	37.78	26.93	14.92	10.26	7.00	4.58	2.46	4.92	9.01
		Female	0.08	12.48	15.83	29.40	23.05	13.14	6.59	3.66	2.76	2.33	3.78	6.50
		Total	0.12	13.59	15.96	34.25	25.69	14.40	9.13	5.85	3.91	2.41	4.60	8.11
	ALL CAUSES	MALE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		FEMALE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

**TABLE 6: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS OVER AGE GROUPS BY SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2019**

**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	0.35	1.67	2.84	4.42	9.68	15.26	18.98	17.74	8.68	15.86	4.53	100.00
		Female	0.33	2.06	4.33	6.81	10.49	11.77	16.30	16.67	8.39	19.83	3.02	100.00
		Total	0.34	1.81	3.37	5.27	9.96	14.02	18.03	17.36	8.58	17.27	4.00	100.00
2	NEOPLASMS (C00-D48)	Male	0.01	0.37	1.69	2.51	3.93	8.77	16.92	23.38	13.82	25.55	3.04	100.00
		Female	0.02	0.66	1.03	1.76	3.85	11.24	20.09	23.59	11.66	23.19	2.91	100.00
		Total	0.02	0.50	1.39	2.17	3.90	9.88	18.34	23.47	12.85	24.49	2.99	100.00
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0.00	1.49	3.47	5.17	8.14	12.95	16.77	16.42	8.92	21.51	5.17	100.00
		Female	0.00	0.87	2.38	9.37	12.54	10.40	13.33	15.40	8.81	24.60	2.30	100.00
		Total	0.00	1.20	2.96	7.15	10.21	11.75	15.15	15.94	8.87	22.97	3.82	100.00
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.02	0.44	0.95	2.58	5.60	14.99	22.80	16.41	31.39	4.83	100.00
		Female	0.00	0.00	0.77	1.01	1.66	4.37	13.99	20.40	17.59	37.52	2.69	100.00
		Total	0.00	0.01	0.57	0.97	2.22	5.12	14.59	21.86	16.87	33.80	3.99	100.00
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.00	1.47	20.59	22.06	17.65	23.53	2.94	5.88	5.88	100.00
		Female	0.00	0.00	6.25	0.00	0.00	25.00	12.50	50.00	6.25	0.00	0.00	100.00
		Total	0.00	0.00	1.19	1.19	16.67	22.62	16.67	28.57	3.57	4.76	4.76	100.00
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	2.03	2.43	4.86	5.46	8.09	14.02	16.41	15.14	8.01	18.80	4.74	100.00
		Female	1.45	3.11	6.29	7.47	7.19	8.02	13.97	17.57	9.68	22.34	2.90	100.00
		Total	1.82	2.68	5.38	6.19	7.76	11.83	15.52	16.03	8.62	20.10	4.07	100.00
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0.00	0.00	0.00	0.00	0.00	33.33	33.33	0.00	0.00	33.33	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	100.00
		Total	0.00	0.00	0.00	25.00	0.00	25.00	25.00	0.00	0.00	25.00	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 2019**

**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	0.00	0.00	100.00	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	100.00
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	50.00	0.00
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0.00	0.00	0.03	0.97	4.49	8.66	17.54	21.80	13.19	29.71	3.61	100.00
		Female	0.00	0.02	0.03	1.32	3.45	6.27	13.45	20.81	13.50	38.72	2.43	100.00
		Total	0.00	0.01	0.03	1.09	4.12	7.80	16.07	21.45	13.30	32.94	3.19	100.00
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0.00	0.22	0.97	3.93	7.25	8.27	14.86	19.64	11.58	30.18	3.09	100.00
		Female	0.00	0.27	1.19	5.82	7.40	7.44	12.23	19.91	12.05	31.45	2.25	100.00
		Total	0.00	0.24	1.04	4.56	7.30	7.99	13.98	19.73	11.74	30.61	2.81	100.00
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0.00	0.35	0.64	4.62	11.75	22.88	26.10	16.81	5.52	7.99	3.36	100.00
		Female	0.00	0.92	2.56	11.91	6.08	13.70	20.86	17.38	7.11	17.08	2.40	100.00
		Total	0.00	0.47	1.04	6.14	10.57	20.97	25.01	16.93	5.85	9.88	3.16	100.00
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0.00	0.00	0.86	1.43	4.29	8.71	16.57	20.14	11.14	31.29	5.57	100.00
		Female	0.00	0.00	2.11	5.63	2.11	8.80	11.62	20.42	15.14	30.63	3.52	100.00
		Total	0.00	0.00	1.22	2.64	3.66	8.74	15.14	20.22	12.30	31.10	4.98	100.00
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0.00	0.00	1.64	3.28	1.64	9.84	19.67	19.67	18.03	24.59	1.64	100.00
		Female	0.00	0.00	0.00	0.00	0.00	22.22	22.22	11.11	0.00	44.44	0.00	100.00
		Total	0.00	0.00	1.27	2.53	1.27	12.66	20.25	17.72	13.92	29.11	1.27	100.00
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	0.02	0.48	0.59	1.01	9.55	18.36	22.54	11.73	33.31	2.42	100.00
		Female	0.00	0.00	0.60	0.98	1.28	8.88	15.91	20.75	13.04	36.89	1.66	100.00
		Total	0.00	0.01	0.53	0.73	1.11	9.31	17.48	21.90	12.20	34.59	2.15	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 2019**

**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	36.47	50.38	8.65	4.51	0.00	0.00	0.00	0.00	100.00
		Total	0.00	0.00	0.00	36.47	50.38	8.65	4.51	0.00	0.00	0.00	0.00	100.00
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	100.00
		Total	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
17	CONGENITAL MALFORMATIONS, DEFORMATION S & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	56.24	23.89	19.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Female	51.37	25.92	22.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Total	54.30	24.70	21.00	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 CLASSIFIED	Male	0.00	1.37	0.57	1.54	3.71	5.59	9.71	9.47	5.09	57.73	5.22	100.00
		Female	0.00	1.90	0.76	1.90	3.29	4.17	6.51	5.63	5.50	65.53	4.81	100.00
		Total	0.00	1.55	0.63	1.66	3.57	5.10	8.60	8.14	5.23	60.43	5.08	100.00
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	Male	0.11	1.37	2.34	13.50	19.86	17.10	18.56	14.00	5.09	6.27	1.79	100.00
		Female	0.11	2.12	4.30	19.17	19.98	15.65	13.30	9.58	4.41	10.06	1.31	100.00
		Total	0.11	1.59	2.90	15.12	19.89	16.69	17.06	12.74	4.90	7.35	1.65	100.00
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY (V01-Y89)	Male	0.11	1.37	2.34	13.50	19.86	17.10	18.56	14.00	5.09	6.27	1.79	100.00
		Female	0.11	2.12	4.30	19.17	19.98	15.65	13.30	9.58	4.41	10.06	1.31	100.00
		Total	0.11	1.59	2.90	15.12	19.89	16.69	17.06	12.74	4.90	7.35	1.65	100.00
	ALL CAUSES	MALE	7.11	0.86	1.32	3.22	6.64	10.33	16.30	18.02	10.01	22.93	3.27	100.00
		FEMALE	8.75	1.11	1.77	4.23	5.63	7.74	13.12	17.00	10.39	28.00	2.26	100.00
		TOTAL	7.69	0.95	1.48	3.58	6.28	9.40	15.16	17.65	10.15	24.74	2.91	100.00

**Table - 7 : Percentage distribution of Medically Certified Deaths due to Tuberculosis, Diabetes Mellitus and Ischaemic Heart Diseases from 2009 to 2019**

Year	Total MCCD Deaths due to									Total MCCD Deaths		
	Tuberculosis			Diabetes Mellitus			Ischaemic Heart Disease			Male	Female	Total
	Male	Female	Total	Male	Female	Total	Male	Female	Total			
<b>2009</b>	5.47	3.70	4.82	6.15	6.58	6.30	12.75	11.21	12.18	63.31	36.69	100.00
<b>2010</b>	5.29	3.72	4.72	5.29	6.11	5.59	13.91	12.43	13.37	63.33	36.67	100.00
<b>2011</b>	5.24	3.72	4.69	5.12	6.20	5.51	12.77	11.47	12.30	63.72	36.28	100.00
<b>2012</b>	5.42	4.55	5.10	5.50	6.15	5.73	13.42	12.12	12.95	63.68	36.32	100.00
<b>2013</b>	5.22	3.44	4.57	4.07	5.23	4.49	11.66	10.56	11.26	63.54	36.46	100.00
<b>2014</b>	5.04	3.31	4.42	3.91	6.30	4.35	11.71	10.56	11.30	64.51	35.49	100.00
<b>2015</b>	4.87	3.14	4.25	4.11	5.43	4.58	11.66	10.76	11.34	64.17	35.83	100.00
<b>2016</b>	4.34	2.93	3.84	5.33	6.70	5.82	10.43	9.40	10.06	64.23	35.77	100.00
<b>2017</b>	4.17	2.85	3.70	5.40	6.29	5.72	10.88	10.29	10.67	64.16	35.84	100.00
<b>2018</b>	3.63	2.57	3.26	5.75	7.44	5.58	10.92	11.05	10.97	64.40	35.60	100.00
<b>2019</b>	3.27	2.29	2.94	6.28	7.37	6.67	10.28	9.48	10.00	64.35	35.65	100.00



<b>FORM NO. 4/4A</b> (See Rule 7) <b>MEDICAL CERTIFICATE OF CAUSE OF DEATH</b> (Hospital in-patients/non-institutional deaths. Not to be used for still births) To be sent to Registrar along with Form No.2 (Death Report)				
Name of the Hospital.....				
I hereby certify that the person whose particulars are given below died in the hospital in Ward No.....on.....				
at.....A.M./P.M.				
Name of the Deceased				For use of Statistical Office
Sex	Age at Death			
	If 1 year or more, age in Years	If less than 1 year, age in Months	If less than one month, age in Days	If less than one day, age in Hours
1. Male				
2. Female				
<b>CAUSE OF DEATH</b>				Interval between on set & death approx
I				
Immediate Cause (a) ..... State the disease, injury or Due to (or as a consequences of) complication which caused death, not the mode of dying such as heart failure, asthenia, etc.				
Antecedent Cause (b) ..... Morbid conditions, if any, giving rise Due to (or as a consequences of) to the above Cause, stating underlying (c) ..... conditions last				
II				
Other significant conditions contributing ..... to the death but not related to the ..... disease or conditions causing it				
<u>Manner of death</u>		<u>How did the injury occur?</u>		
1. Natural 2. Accident 3. Suicide 4.Homicide				
5. Pending investigation				
If deceased was a female, was pregnancy the death associated with? 1. Yes 2. No				
If yes, was there a delivery? 1.Yes 2.No.				
Name and signature of the Medical Attendant certifying the cause of death				
Date of verification.....				
SEE REVERSE FOR INSTRUCTION				
(To be detached and handed over to the relative of the deceased).				
Certified that Shri/Smt/Kum.....S/W/D/of Shri .....				
R/O.....was admitted to the hospital on ..... and expired on .....				
Doctor..... (Medical Supdt Name of the hospital)				

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

## MEDICAL CERTIFICATE OF CAUSE OF DEATH

### Direction for completing the form No.4/4A

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### NATIONAL LIST BASED ON ICD-10

#### Major Groups I to XIX :

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

&

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

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

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

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

\* Not in use in India