

**No. DES 13 OF 2019**



**GOVERNMENT OF KARNATAKA**

**REPORT  
ON  
MEDICAL CERTIFICATION OF  
CAUSE OF DEATH  
2018**



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



## **PREFACE**

*The Report for the year 2018 is the thirty-eighth 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 1732 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. N.Yashoda, Assistant Chief Registrar, Smt. G. Vanajakshi, Programmer (expert in e-JanMa), Smt. R. Dakshayini, Assistant Statistical Officer and the staff involved in data entry, under the overall supervision and guidance of Sri. K.A. Parappa Swamy, Chief Registrar of Births and Deaths (I/c), in bringing out this report.*

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

*Sd/-*

**Dr. C.H. VASUNDHARA DEVI**  
**DIRECTOR**

**BENGALURU**

**Date :07.12.2019**



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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 – 2018 is based upon 1,50,415 (Males: 96,867 and Females: 53,548) medically certified deaths (31.16 per cent of total registered deaths) supplied by 1732 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 2018, following are Eight leading cause groups of deaths constituting around 85.27 per cent of total deaths:

- I. Diseases of Circulatory System (29.81 per cent) (30.88 per cent in 2017)*
- II. Injury, Poisoning and certain other consequences of External causes (9.79 per cent) (10.43 per cent in 2017)*
- III. Neoplasm (9.05 per cent) (9.08 per cent in 2017)*
- IV. Certain Infectious and Parasitic diseases (8.87 per cent) (9.12 per cent in 2017)*

- V. *Diseases of the Respiratory System (8.52 per cent)*  
(8.65 per cent in 2017).
- VI. *Endocrine, Nutritional and Metabolic Diseases (6.78 per cent)*  
(6.50 per cent in 2017)
- VII. *Diseases of the Digestive System (6.43 per cent)* (6.50 per cent in 2017)
- VIII. *Certain condition originating in the perinatal period (6.01 per cent)*  
(5.29 per cent in 2017)

- Among the “Diseases of the Circulatory System” deaths, “*Ischaemic Heart Diseases*” (IHD) account for the highest number of deaths (36.79 per cent). Around every 11<sup>th</sup> medically certified death has been reported to be caused by Ischemic Heart Disease alone.
- The second leading cause group “*Injury, Poisoning and certain other consequences of External causes*” has a major constituent “*Other injuries of specified, Unspecified and Multiple Body regions*” contributing around 41.08 per cent of the total deaths under this cause group and 4.02 per cent of total medically certified deaths.
- Under the third leading group “*Neoplasms (Cancer)*” accounting for 9.05 per cent of the total medically certified deaths, of which “*Malignant Neoplasm of digestive organs*” accounts for 28.90 per cent which accounts for more than one-fourth of deaths.
- The Fourth leading group “*Certain Infectious and Parasitic Diseases*” accounting for 8.87 per cent of the total medically certified deaths, of which “*Septicaemia accounts for 37.66 per cent of the deaths under the group and 3.34 per cent of total medically certified deaths.*”
- The fifth leading cause group “*Diseases of the Respiratory System*” is responsible for 8.52 per cent of the total medically certified deaths of which “*Other Lower Respiratory Disorders*” accounting for around 45.90 per cent of the total deaths under the group. The other major cause in this group is “*Pneumonia*” causing 13.79 per cent of death under the group and this alone accounts for 1.17 per cent of death to total medically certified deaths.
- The Sixth leading cause group “*Endocrine, Nutritional and Metabolic Diseases*” is accounting for 6.78 per cent of the total medically certified deaths. Under this cause group, “*Diabetes Mellitus*” group alone accounts for 93.64 per cent of total deaths reported which constitutes 6.35 per cent of deaths to total medically certified deaths.



- The group of “*Diseases of Digestive System*” is the seventh leading cause group accounting for 6.43 per cent of the total medically certified deaths. Among the deaths due to disorders of digestive system “*Diseases of the Liver*” alone accounts for 71.37 per cent of the total deaths in this group.
- The major group “*Certain Conditions Originating in the Perinatal period*” is the eighth leading cause accounting for 6.01 per cent of the total medically certified deaths. “*Slow fetal growth, fetal Malnutrition and Immaturity*” accounts for 48.97 per cent of the deaths under the group and 2.94 percent of total medically certified deaths.
- The Medically Certified deaths during 2017 was 146690 of which the male was 94120 which constitutes 64.16 per cent, whereas in 2018 total Medically certified deaths was 150415 of which male deaths 96867, which works out to 64.40 per cent.

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

- Every Seventh medically certified death reported was infants (age less than 1 year).
- About 83.24 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 “*Congenital Malformations, Deformations & Chromosomal Abnormalities*” have taken the highest toll of 35.49 per cent. In the age group 5-14 years “*Certain Infectious and Parasitic Diseases*” claimed the topmost position with the share of 21.25 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 41.08 per cent and 31.83 per cent respectively. It implies that these age-group of youth and adolescent are more vulnerable to injuries and poisoning related deaths.
- In the age-group 35-44 years, the first two leading causes “*Diseases of Circulatory System*” and “*Injury, Poisoning and certain other consequences of External causes*” are having shares of 22.58 and 17.76 per cent respectively.
- For the age-groups of 45 years and above “*Diseases of Circulatory System*” is the first leading cause of death (37.19 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 29.75 for the age group 45-54 years to 42.29 per cent for the age group 70 and above years.

- The highest number of deaths i.e., 38186 was reported as expected for the age group 70 years and above which constitute 25.38 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 64.40 and 35.60 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 Cause”s, “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 10.49 per cent as compared to the corresponding male figure of 8.25 per cent. On the contrary, the percentage of female digestive system deaths to total female medically certified deaths is just 3.51 per cent as compared to the corresponding male figure of 8.04 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. 350 hospitals with bed-strength of 20 or more in towns and cities with a lakh or more population (as per 1981 census) were covered in 1991. This expansion was taken up as per the recommendations of the workshop on “Statistics of Cause of Death” held during 1986 at New Delhi.

**2.2** In order to take the MCCD Scheme forward in a systematic manner in the country, the Registrar General, India has been impressing upon all the States / Union Territories to bring all hospitals (Government & Private) and private medical practitioners under its coverage, both in rural as well as urban areas by imposing issue of Notification. In this context, the Government of Karnataka has been issued Notification to bring all Government and Private medical institutions and private medical practitioners under the scheme of Medical Certification of Cause of Death. By 2018, 1732 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 – 2018

Sl. No	District Name	No. of Hospitals	Male	Female	Total
1	Bagalkote	67	1734	913	2647
2	Bengaluru(U)	705	32918	20026	52944
3	Bengaluru(R)	17	466	266	732
4	Belagavi	88	5453	2540	7993
5	Bellary	45	3217	1644	4861
6	Bidar	16	974	629	1603
7	Chamarajanagar	13	375	167	542
8	Chikballapur	16	447	225	672
9	Chikmagalur	28	744	458	1202
10	Chitradurga	21	1303	737	2040
11	D.Kannada	97	7420	4038	11458
12	Davanagere	25	3437	1912	5349
13	Dharwad	78	5756	3074	8830
14	Gadag	38	1735	1010	2745
15	Hassan	25	1930	935	2865
16	Haveri	20	748	331	1079
17	Kalburgi	23	1932	1028	2960
18	Kodagu	18	452	202	654
19	Kolar	20	1828	976	2804
20	Koppal	14	486	254	740
21	Mandya	28	1873	1033	2906
22	Mysuru	44	8470	3976	12446
23	Raichur	21	1795	936	2731
24	Ramanagara	13	258	98	356
25	Shimoga	59	3062	1689	4751
26	Tumkur	38	1978	1057	3035
27	Udupi	55	2685	1494	4179
28	U.Kannada	50	1651	912	2563
29	Vijayapura	45	1673	936	2609
30	Yadgir	5	67	52	119
<b>Total</b>		<b>1732</b>	<b>96867</b>	<b>53548</b>	<b>150415</b>

2.5 During 2018, a total of 150415 medically certified deaths were reported, of which 96867 and 53548 pertained to males and females respectively. Among 4345

hospitals in the State 1732 (39.86%) hospitals were covered under Medical Certification of Cause of Death.

In Bangalore district, 52944 deaths have been reported from 705 hospitals covering 35.20 per cent to total deaths.

The next highest number of hospitals 97 in Dakshina Kannada district covered under Medical Certification of Cause of Death reported for 11458 deaths (7.62 per cent).

Less than 500 deaths were reported in the districts of Ramanagar (0.24%) and Yadgir (0.08%).

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

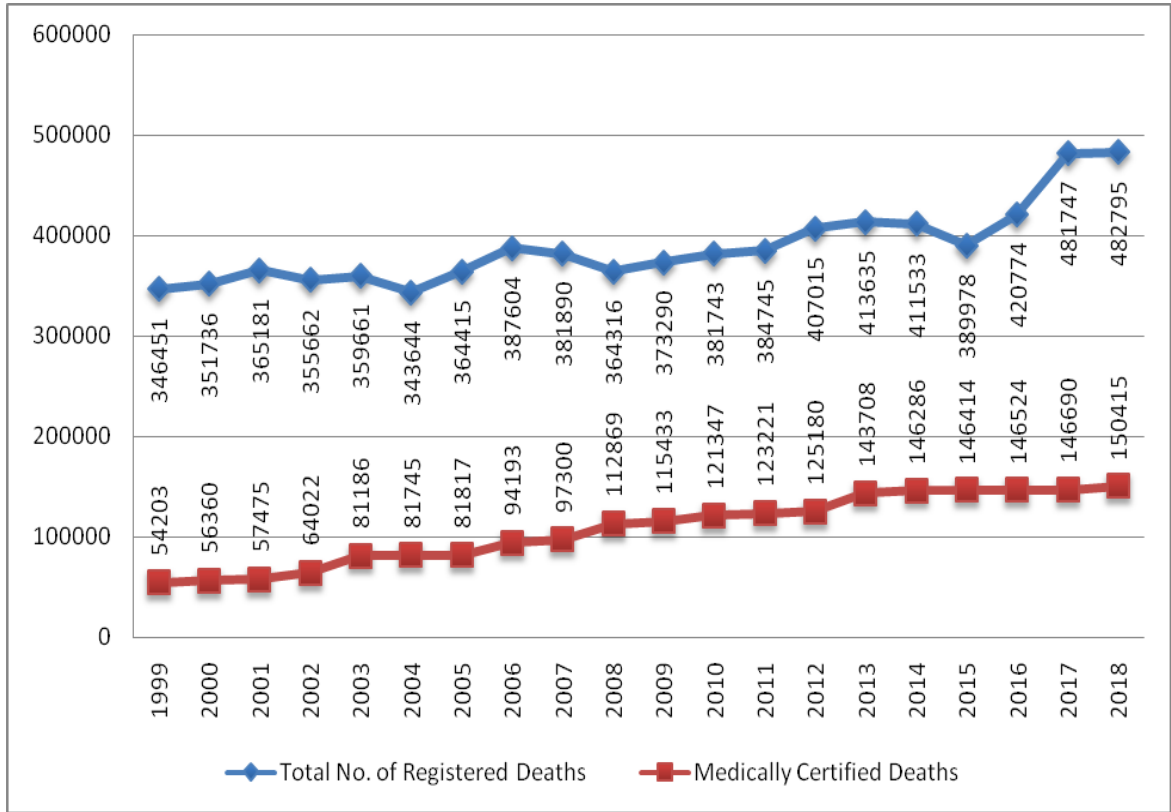
**2.6** The time series data on MCCD for the year 1999 to 2018 reveals a significant long-term growth in absolute numbers of medically certified cases. The share of medically certified deaths in total registered deaths has been fluctuating over the years. It was 15.65 per cent during the year 1999 and 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
1999	346451	54203	15.65
2000	351736	56360	16.02
2001	365181	57475	15.74
2002	355662	64022	18.00
2003	359661	81186	22.57
2004	343644	81745	23.79
2005	364415	81817	22.45
2006	387604	94193	24.30
2007	381890	97300	25.48
2008	364316	112869	30.98
2009	373290	115433	30.92
2010	381743	121347	31.79
2011	384745	123221	32.03
2012	407015	125180	30.76
2013	413635	143708	34.74
2014	411533	146286	34.84
2015	389978	146414	37.54
2016	420774	146524	34.82
2017	481747	146690	30.45
2018	482795	150415	31.16

CHART - 1

Growth in MCCD in Karnataka 1999 - 2018



**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 1732 hospitals by age, sex and major cause groups. During 2018, a total of 1,50,415 medically certified deaths were reported, of which 96,867 and 53,548 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

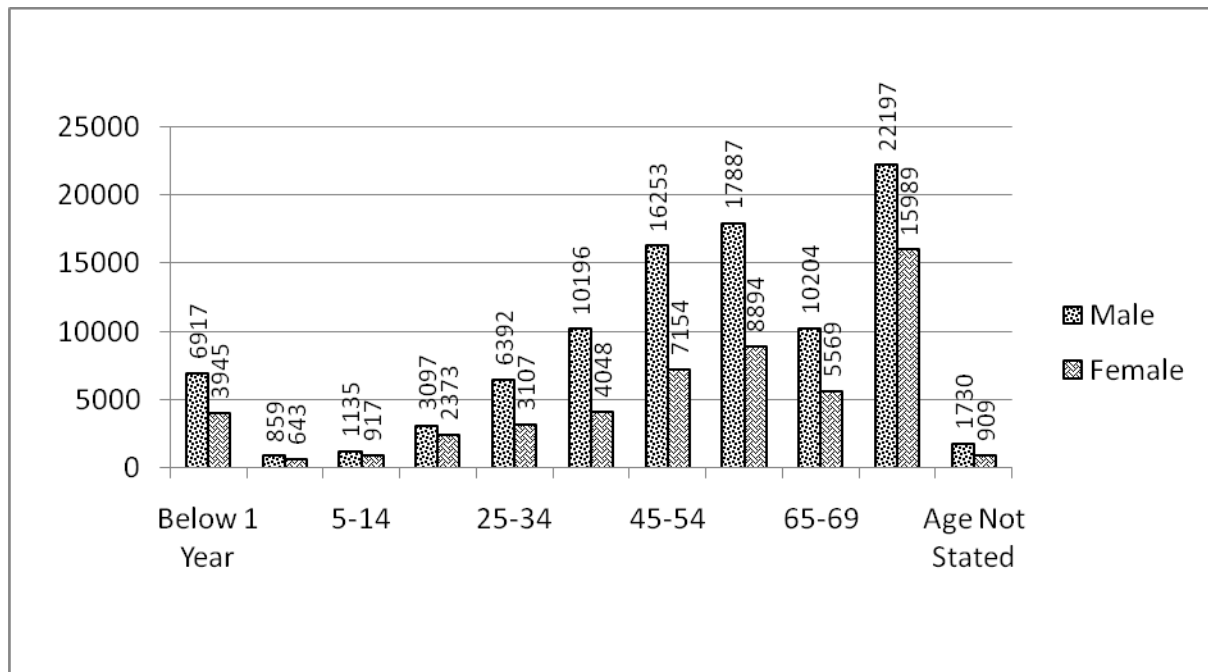
##### Age and Sex Distribution of Medically Certified Deaths – 2018

Sl. No	Age Group (In Years)	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	6917	7.14	4.60	3945	7.37	2.62	10862	7.22
2	1-4	859	0.89	0.57	643	1.20	0.43	1502	1.00
3	5-14	1135	1.17	0.75	917	1.71	0.61	2052	1.36
4	15-24	3097	3.20	2.06	2373	4.43	1.58	5470	3.64
5	25-34	6392	6.60	4.25	3107	5.80	2.07	9499	6.32
6	35-44	10196	10.53	6.78	4048	7.56	2.69	14244	9.47
7	45-54	16253	16.78	10.81	7154	13.36	4.76	23407	15.56
8	55-64	17887	18.47	11.89	8894	16.61	5.91	26781	17.80
9	65-69	10204	10.53	6.78	5569	10.40	3.70	15773	10.49
10	70 & above	22197	22.91	14.76	15989	29.86	10.63	38186	25.39
11	Age Not Stated	1730	1.79	1.15	909	1.70	0.60	2639	1.75
	<b>Total</b>	<b>96867</b>	<b>100.00</b>	<b>64.40</b>	<b>53548</b>	<b>100.00</b>	<b>35.60</b>	<b>150415</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 – 2018**



**3.2** Statement-3 indicates the contribution of male and female deaths in the total medically certified cases were reported to be 64.40 per cent and 35.60 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 58.75 per cent of deaths. Age group 65-69 years also had a significant place with 10.53 per cent. Infant deaths occupied the 6<sup>th</sup> place (7.14 per cent). Least vulnerable were those in the age group 1-4 years (0.89 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 46.47 per cent deaths. Infant deaths took 6<sup>th</sup> position with 7.37 per cent, 17.79 per cent deaths were from the prime age group of 15-44 years. Least vulnerable was again in the age group 1-4 years (1.20 per cent).

**3.3** The Eight leading cause groups of deaths viz., *Diseases of the circulatory system (I00-I99)*, *Injury, Poisoning and Certain Other Consequences of External Causes (S00-T98)*, *Neoplasms (C00-D48)*, *Certain Infectious and Parasitic Diseases (A00-B99)*, *Diseases of the Respiratory System (J00-J98)*, *Endocrine, Nutritional and Metabolic Diseases (E00-E89)*, *Diseases of the Digestive System (K00-K92)* and *Certain Conditions Originating in the Perinatal Period (P00-P96)* had taken together account for about 85.26 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. **29.81 per cent** of total medically certified deaths, followed by *‘Injury, Poisoning and Certain Other Consequences of External Causes’* **9.79 per cent**, *‘Neoplasms’* **9.05 per cent**, *‘Certain Infectious and Parasitic Diseases’* constitute **8.87 per cent** and *‘Diseases of Respiratory System’* constitute **8.52 per cent**, followed by *‘Endocrine, Nutritional and Metabolic Diseases’* constitute **6.78 per cent**, *‘Diseases of the Digestive System’* constitute **6.43 per cent**, and *‘Certain Conditions Originating in the Perinatal Period’* constitute **6.01 per cent** of the total Medically Certified deaths.

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

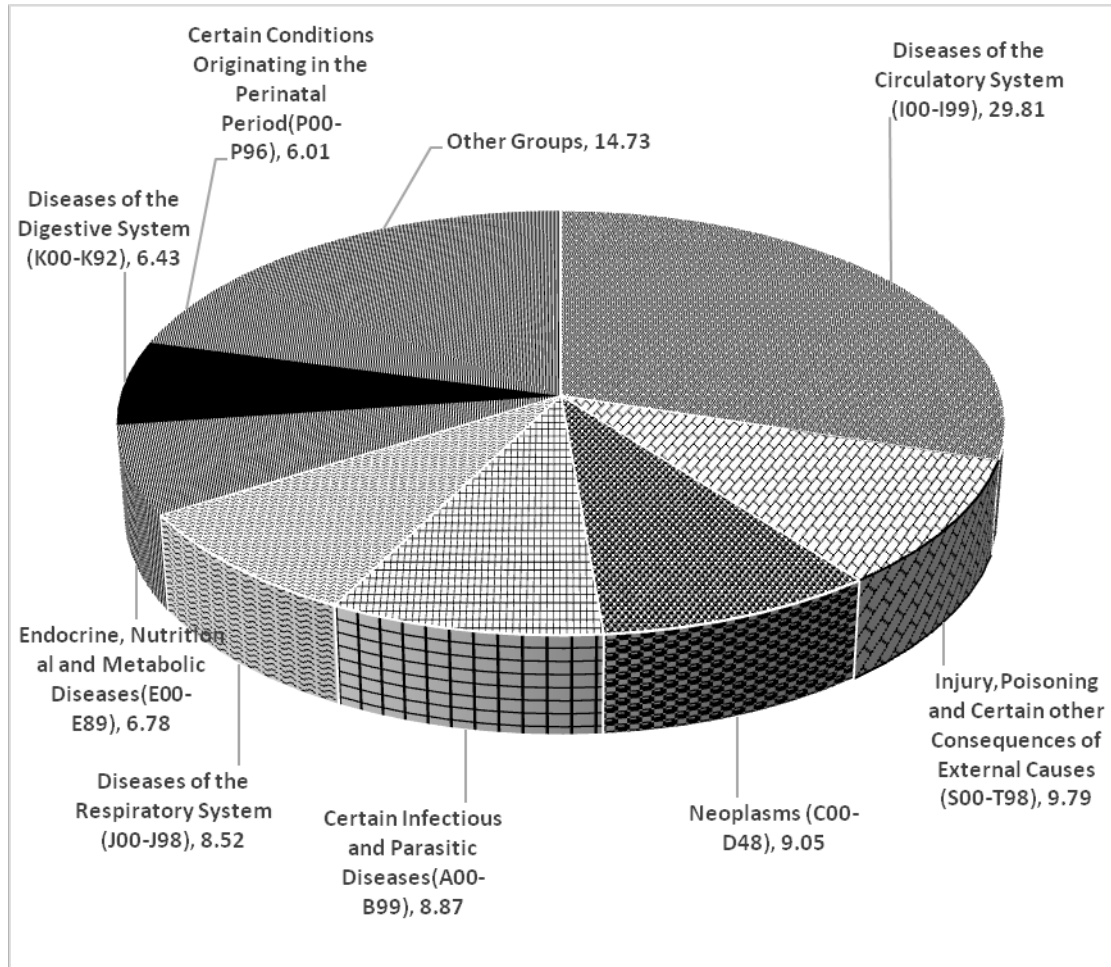
**Statement-4**

**Distribution of Medically Certified Deaths by Sex and Eight Leading Cause-Groups during -2018**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System (I00-I99)	28391	29.31	16454	30.73	44845	29.81
2	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	10599	10.94	4130	7.71	14729	9.79
3	Neoplasms (C00-D48)	7992	8.25	5616	10.49	13608	9.05
4	Certain Infectious and Parasitic Diseases(A00-B99)	8635	8.91	4707	8.79	13342	8.87
5	Diseases of the Respiratory System (J00-J98)	8545	8.82	4269	7.97	12814	8.52
6	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	5936	6.13	4269	7.97	10205	6.78
7	Diseases of the Digestive System (K00-K92)	7788	8.04	1880	3.51	9668	6.43
8	Certain Conditions Originating in the Perinatal Period(P00-P96)	5793	5.98	3249	6.07	9042	6.01
9	Other Groups	13188	13.61	8974	16.76	22162	14.73
	<b>Total</b>	<b>96867</b>	<b>100.00</b>	<b>53548</b>	<b>100.00</b>	<b>150415</b>	<b>100.00</b>

**Chart - 3**

**PERCENTAGE DISTRIBUTION OF DEATHS UNDER MCCD  
BY LEADING CAUSE GROUP – 2018**



**3.5** The percentage distribution of Eight major cause groups of deaths for the period 2001 to 2018 is presented in the **Statement-5**.

**Statement – 5**  
**Percentage Distribution of 8 leading Major Cause Groups of Deaths during**  
**2001 to 2018**

Year	Leading major cause groups of deaths (As per ICD-10)									Total
	Diseases of the circulatory system	Injury Poisoning & certain other consequences of external causes	Neo-plasm	Certain Infectious and Parasitic Diseases	Diseases of the Respiratory System	Endocrine, Nutritional & Metabolic Diseases	Diseases of the Digestive System	Certain conditions originating in the Perinatal period	Other Groups	
2001	24.98	15.03	4.95	13.12	5.04	5.05	6.15	10.49	15.19	100.00
2002	25.32	13.63	4.45	12.32	5.22	5.95	6.26	10.39	16.46	100.00
2003	25.56	11.62	5.36	12.32	5.52	6.39	6.29	10.01	16.93	100.00
2004	25.65	11.48	6.2	12.24	5.43	6.29	6.45	9.54	16.72	100.00
2005	26.98	10.28	5.67	12.72	5.97	6.81	6.38	9.68	15.51	100.00
2006	27.51	10.19	5.86	12.03	6.52	8.07	6.55	7.71	15.56	100.00
2007	25.29	11.28	5.68	13.02	7.22	6.72	6.33	8.77	15.69	100.00
2008	28.78	10.16	6.25	11.12	7.56	6.84	5.96	8.32	15.01	100.00
2009	28.26	9.75	6.77	11.23	7.47	6.88	6.04	8.95	14.65	100.00
2010	30.69	8.66	6.24	11.45	8.58	6.42	6.48	8.90	12.59	100.00
2011	29.97	11.20	6.15	10.68	7.90	6.36	6.55	9.33	11.85	100.00
2012	30.57	10.81	6.48	10.85	8.03	6.57	6.22	9.27	11.2	100.00
2013	28.80	11.48	6.67	10.1	8.60	5.59	6.64	9.33	12.79	100.00
2014	29.61	11.22	7.46	9.23	8.36	5.36	6.60	9.97	12.2	100.00
2015	31.81	11.13	7.80	9.39	8.53	5.55	6.86	9.39	13.02	100.00
2016	29.44	10.75	9.07	9.51	8.65	6.43	6.61	5.85	13.68	100.00
2017	30.88	10.43	9.08	9.12	8.65	6.50	6.50	5.29	13.55	100.00
2018	29.81	9.79	9.05	8.87	8.52	6.78	6.43	6.01	14.73	100.00

**Note:** 1. - '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 24.98 to 31.81 over the years. Under this group 1.07 per cent of deaths have been decreased during 2018 when compared to 2017. The major cause group "Certain Infectious and Parasitic Diseases" has shown a declining trend in its share to total deaths over the years.

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

**3.5.2** The percentage of deaths due to '*Neoplasms*' has been increased from 4.95 per cent to 9.05 per cent over the years.

**3.5.3** The percentage of deaths due to '*Certain Infectious and Parasitic Diseases*' has been decreased from 13.12 per cent to 8.87 per cent over the years.

**3.5.4** The share of medically certified deaths due to '*Diseases of Respiratory System*' has varied in the range of 5.04 to 8.52 per cent during the period of 2001 to 2018, this accounting for around 5 to 9 deaths per hundred reported medically certified deaths.

**3.5.5** The share of medically certified deaths due to '*Endocrine, Nutritional and Metabolic Diseases*' is 6.78 per cent during 2018.

**3.5.6** In 2018, the percentage of medically certified deaths due to '*Diseases of Digestive System*' is 6.43 as against 6.15 in 2001. The share of deaths due to this cause has an average of 6 per cent since 2001.

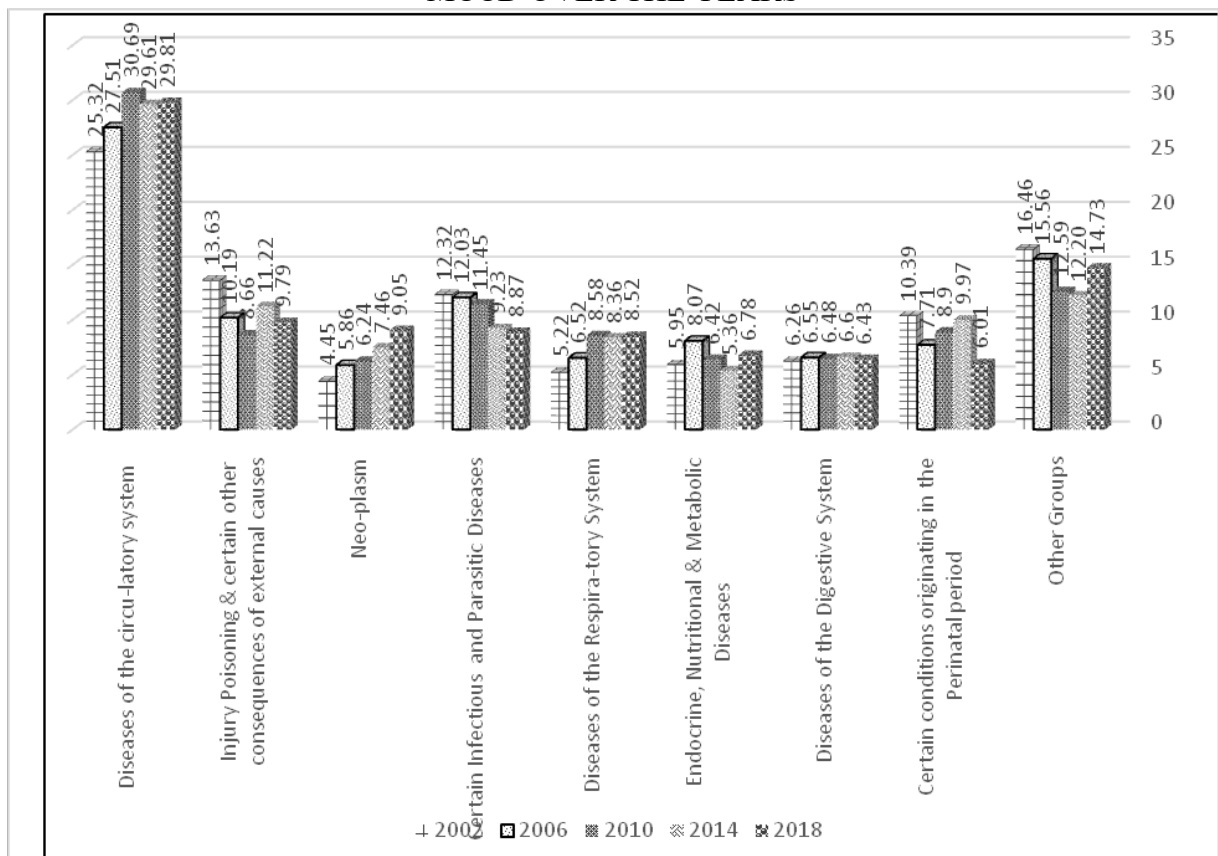
**3.5.7** The group of '*Diseases of Certain Conditions Originating in Perinatal Period*' which is the prime causes of deaths among infants, has shown decreasing trend in percentage term over the years when compared to 2001.

**3.5.8** The groups "*other than*" the Eight leading ones viz., "*Diseases of the Nervous System, Diseases of the Skin and Subcutaneous Tissue, Pregnancy, Child Birth and the Puerperium, Congenital Malformations, Deformations and Chromosomal Abnormalities etc.*", constitutes less than 17 per cent of the total medically certified deaths since 2001.

**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 2002, 2006, 2010, 2014 and 2018.

**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 29.81 per cent of total medically certified deaths. It accounts for 29.31 per cent of males and 30.73 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**.

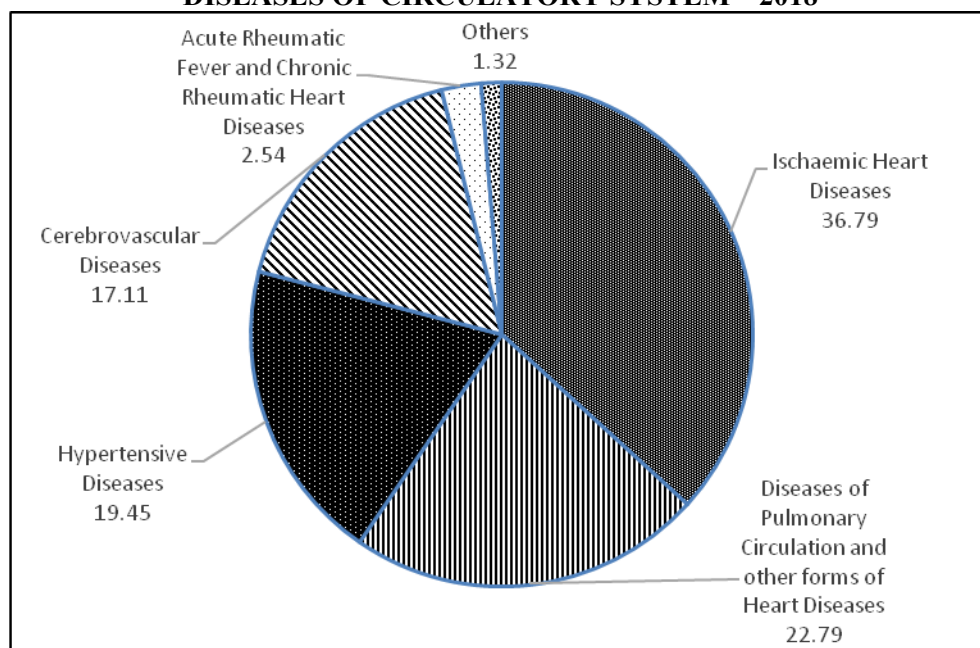
#### Statement – 6

##### DISTRIBUTION OF MAJOR CAUSES OF DEATHS AMONG DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2018

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Ischaemic Heart Diseases	10581	37.27	5916	35.95	16497	36.79	10.97
2	Diseases of Pulmonary Circulation and other forms of Heart Diseases	6469	22.79	3753	22.81	10222	22.79	6.80
3	Hypertensive Diseases	5314	18.72	3410	20.72	8724	19.45	5.80
4	Cerebrovascular Diseases	5126	18.06	2546	15.47	7672	17.11	5.10
5	Acute Rheumatic Fever and Chronic Rheumatic Heart Diseases	532	1.87	607	3.69	1139	2.54	0.76
6	Others	369	1.30	222	1.34922	591	1.32	0.39
	<b>Total Medically Certified Deaths due to Diseases of Circulatory System</b>	<b>28391</b>	<b>100.00</b>	<b>16454</b>	<b>100.00</b>	<b>44845</b>	<b>100.00</b>	<b>29.81</b>
	Deaths due to Diseases of Circulatory system as percentage to total medically certified deaths		<b>29.31</b>		<b>30.73</b>		<b>29.81</b>	

**Chart – 5**

**PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM – 2018**



**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 (**36.79 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 **22.79 per cent** and **19.45 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.

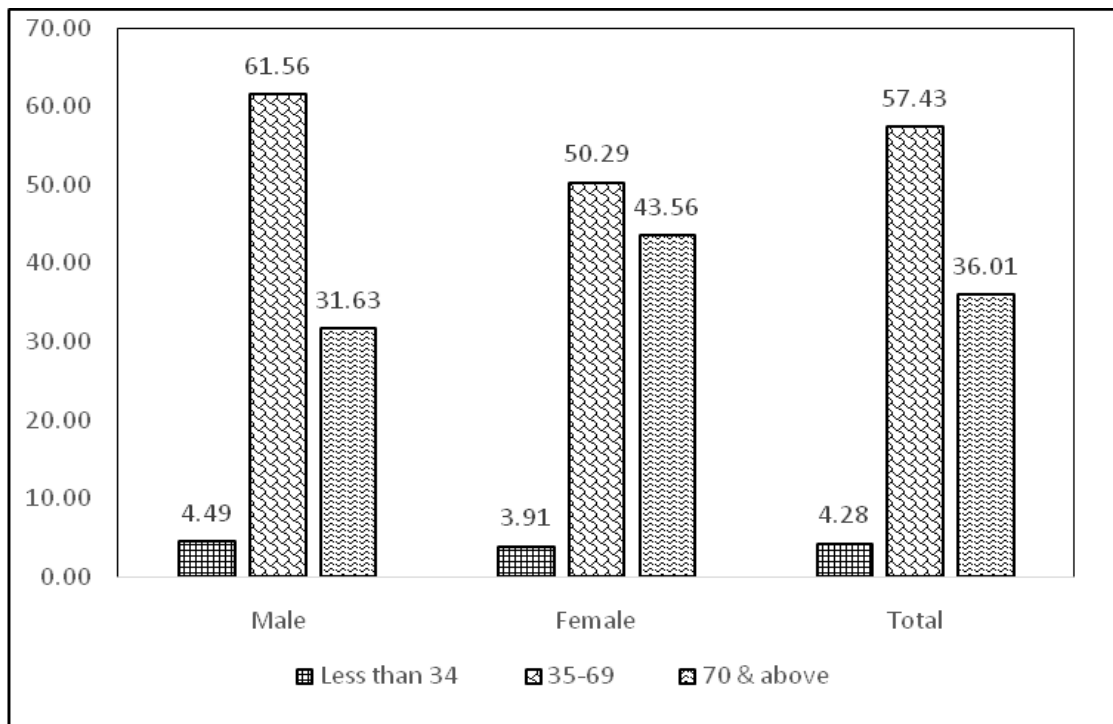
**Statement -7**

**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2018**

Sl. No	Age Group (in years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	1	0.00	1	0.01	2	0.00
2	1-4	6	0.02	3	0.02	9	0.02
3	5-14	19	0.07	12	0.07	31	0.07
4	15-24	241	0.85	183	1.11	424	0.95
5	25-34	1008	3.55	444	2.70	1452	3.24
6	35-44	2379	8.38	838	5.09	3217	7.17
7	45-54	4853	17.09	2111	12.83	6964	15.53
8	55-64	6256	22.04	3177	19.31	9433	21.03
9	65-69	3990	14.05	2149	13.06	6139	13.69
10	70 & above	8980	31.63	7167	43.56	16147	36.01
11	Age Not Stated	658	2.32	369	2.24	1027	2.29
	<b>Total</b>	<b>28391</b>	<b>100.00</b>	<b>16454</b>	<b>100.00</b>	<b>44845</b>	<b>100.00</b>

**Chart - 6**

**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM” UNDER MCCD - 2018**



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

It is the second leading cause group responsible for 9.79 per cent of total medically certified deaths. This has caused 10.94 per cent of male and 7.71 per cent of female deaths. Under this cause group by '*Other Injuries of specified and unspecified and multiple body regions*' with 4926 male and 1124 female deaths (41.08 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 29.98 per cent of the total deaths and '*Burns and Corrosions*' (14.79 per cent). Death due to Burns and corrosions among females is 30.53 per cent as compared to 8.66 per cent among males, under this major group. The distribution of chief constituents of the major cause group is given in the **Statement-8** and is depicted in **Chart-7**.

#### Statement-8

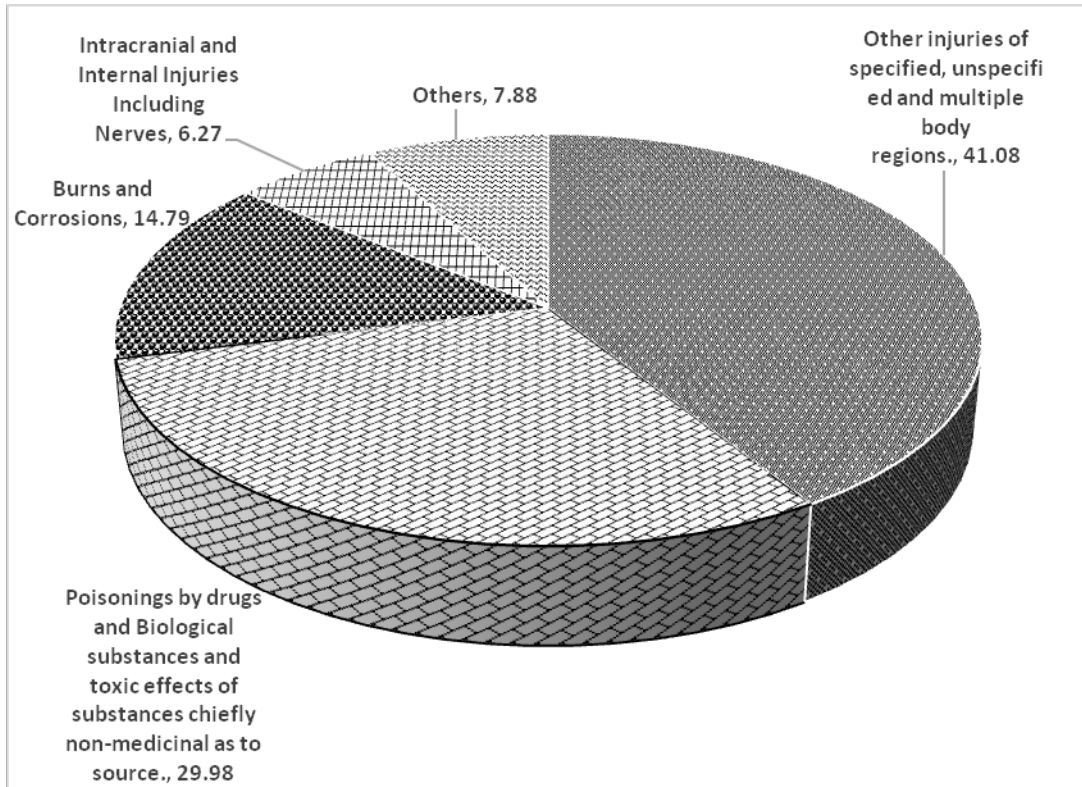
##### Distribution of Deaths due to Injury, Poisoning and Certain other consequences of External causes Under MCCD-2018

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.	4926	46.48	1124	27.22	6050	41.08	4.02
2	Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medicinal as to source.	3128	29.51	1288	31.19	4416	29.98	2.94
3	Burns and Corrosions	918	8.66	1261	30.53	2179	14.79	1.45
4	Intracranial and Internal Injuries Including Nerves	766	7.23	157	3.80	923	6.27	0.61
5	Others	861	8.12	300	7.26	1161	7.88	0.77
	<b>Total Medically Certified Deaths due to Diseases of Injury, Poisoning and Certain Other Consequences of External causes.</b>	<b>10599</b>	<b>100.00</b>	<b>4130</b>	<b>100.00</b>	<b>14729</b>	<b>100.00</b>	<b>9.79</b>
	Deaths due to Injury, Poisoning and Certain other consequences of External causes as percentage to total medically certified deaths		<b>10.94</b>		<b>7.71</b>		<b>9.79</b>	



**Chart 7**

**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING & CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD – 2018**



**3.7.1** As revealed from the **Statement-9** the highest share of deaths (20.53 per cent) is reported for the age group 25-34 years. This is followed by age groups 45-54 years (17.85 per cent) and 35-44 years (17.18 per cent). These three age-groups together accounts for about 55.56 per cent of deaths, implying that the working age groups is much more prone to deaths due to this major group. Age- group wise distribution of deaths due to '*Injury, Poisoning and Certain Other Consequences of External Cause*' is presented in **Chart-8**.

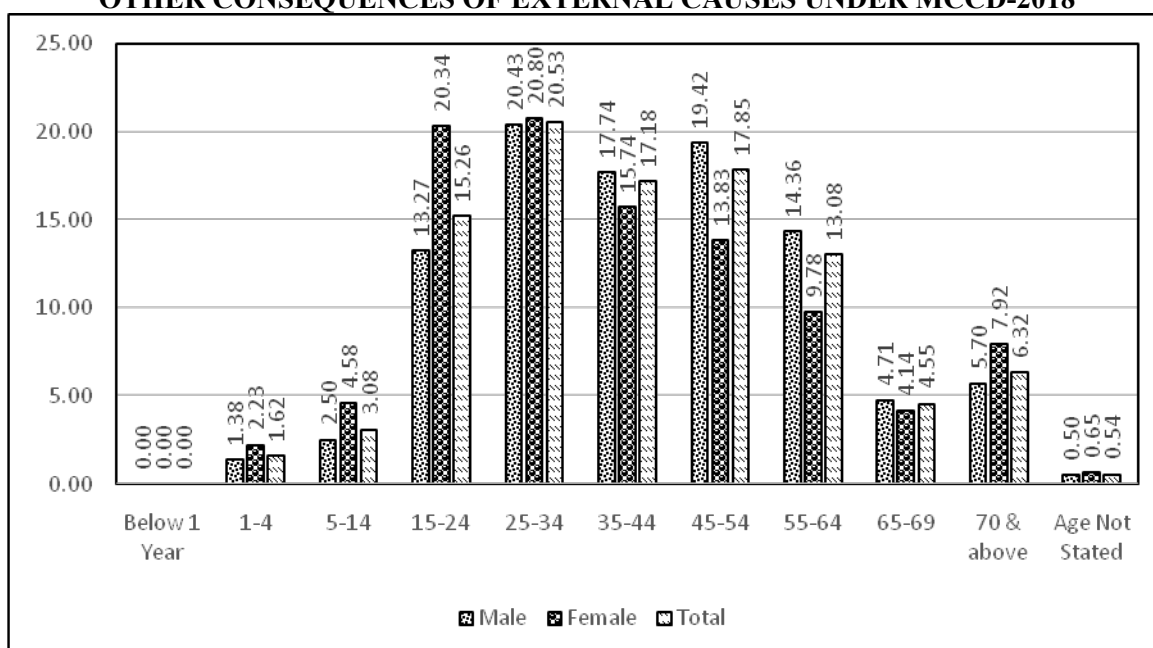
### Statement-9

#### Age Distribution of Deaths due to Injury, Poisoning and Certain other Consequences of External causes Under MCCD-2018

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	146	1.38	92	2.23	238	1.62
3	5-14	265	2.50	189	4.58	454	3.08
4	15-24	1407	13.27	840	20.34	2247	15.26
5	25-34	2165	20.43	859	20.80	3024	20.53
6	35-44	1880	17.74	650	15.74	2530	17.18
7	45-54	2058	19.42	571	13.83	2629	17.85
8	55-64	1522	14.36	404	9.78	1926	13.08
9	65-69	499	4.71	171	4.14	670	4.55
10	70 & above	604	5.70	327	7.92	931	6.32
11	Age Not Stated	53	0.50	27	0.65	80	0.54
	<b>Total</b>	<b>10599</b>	<b>100.00</b>	<b>4130</b>	<b>100.00</b>	<b>14729</b>	<b>100.00</b>

### Chart – 8

#### AGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD-2018



3.7.2 Further analysis of deaths due to '*Injury, Poisonings and Certain Other Consequences of External Causes*', reveals that the absolute number of reported deaths caused by '*Burns and Corrosion*' in case of females is more or equal to one and a half (1½) times to that of males (918 males and 1261 females). As detailed in the **Statement-10**, the highest number of deaths due to '*Burns and Corrosion*' is concentrated in the age group 15-54 years, constituting around 73.98 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 66.71 per cent and 75.64 per cent respectively.

### Statement-10

#### AGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING, BURNS CORROSIONS AND OTHER INJURIES UNDER MCCD-2018

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	0.00	0.00	0.00
2	1-4	1.21	0.91	3.76
3	5-14	2.86	2.88	5.42
4	15-24	11.90	18.66	18.59
5	25-34	18.15	21.88	25.01
6	35-44	16.76	17.82	17.58
7	45-54	19.90	17.28	12.80
8	55-64	15.98	11.66	7.80
9	65-69	5.79	3.94	2.11
10	70 & above	6.69	4.71	6.33
11	Age Not Stated	0.76	0.27	0.60
	<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

3.8 **Neoplasms (II)** : The Third leading cause, "*Neoplasm*" which is commonly known as Cancer is responsible for 9.05 per cent of the total medically certified deaths. The share of deaths due to *Neoplasms* in total female deaths is 10.49 per cent as compared to the corresponding figure of 8.25 per cent in case of males. Among total female medically certified deaths, it is the second leading cause of death. The distribution of major causes of deaths under the group is given in the **Statement-11** and depicted in **Chart-9**.

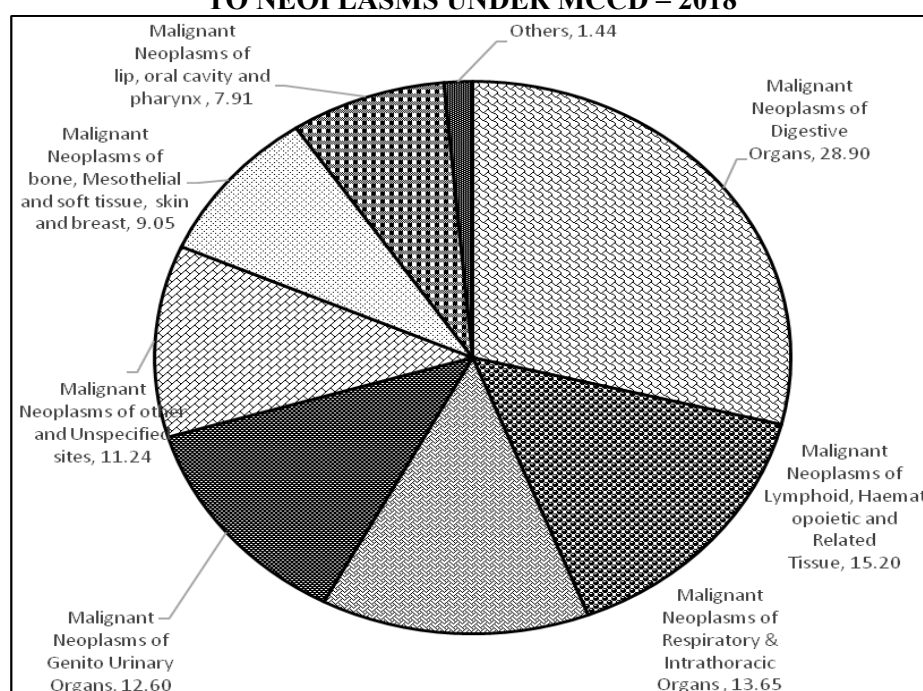
### Statement- 11

#### Distribution of Major Causes of Deaths Due to Neoplasms under MCCD–2018

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Malignant Neoplasms of Digestive Organs	2681	33.55	1252	22.29	3933	28.90	2.61
2	Malignant Neoplasms of Lymphoid, Haematopoietic and Related Tissue	1376	17.22	692	12.32	2068	15.20	1.37
3	Malignant Neoplasms of Respiratory & Intrathoracic Organs	1349	16.88	508	9.05	1857	13.65	1.23
4	Malignant Neoplasms of Genito Urinary Organs	622	7.78	1093	19.46	1715	12.60	1.14
5	Malignant Neoplasms of Other and Unspecified sites	927	11.60	603	10.74	1530	11.24	1.02
6	Malignant Neoplasms of bone, Mesothelial and soft tissue, skin and breast	147	1.84	1085	19.32	1232	9.05	0.82
7	Malignant Neoplasms of lip, oral cavity and pharynx	771	9.65	306	5.45	1077	7.91	0.72
8	Others	119	1.49	77	1.37	196	1.44	0.13
	<b>Total Medically Certified Deaths due to Neoplasms</b>	<b>7992</b>	<b>100.00</b>	<b>5616</b>	<b>100.00</b>	<b>13608</b>	<b>100.00</b>	<b>9.05</b>
	Deaths due to Neoplasms as percentage to total medically certified deaths		<b>8.25</b>		<b>10.49</b>		<b>9.05</b>	

### CHART – 9

#### PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO NEOPLASMS UNDER MCCD – 2018



**3.8.1** Among the Neoplasm deaths, *'Malignant Neoplasm of Digestive Organs'* accounts for the highest mortality of 28.90 percent, followed by *'Malignant of Lymphoid, haematopoetic & other related tissue'* (15.20 per cent), *'Malignant Neoplasms of Respiratory & Intrathoracic Organs'* (13.65 per cent), *'Malignant Neoplasm of Genito Urinary Organs'* (12.60 per cent). The share of deaths due to Malignant Neoplasms of Digestive Organs is in Male is 33.55 per cent as against 22.29 per cent of corresponding female deaths. The percentage of female deaths due to *'Malignant Neoplasm of Genito Urinary organs'* to total female neoplasm deaths is 19.46 per cent as compared to 7.78 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 79.41 per cent. Among female deaths caused by **'Malignant Neoplasms of bone, mesothelial and soft tissue, skin and breast', 993** (91.77 per cent) are due to breast cancer. Breast cancer alone accounts for around 17.68 per cent of total female Neoplasm deaths. Among deaths caused by *'Malignant Neoplasm of Respiratory and Intra Thoracic Organs'* about 87.88 per cent is due to Lung Cancer in male in their respective group. Lung Cancer alone accounts for around 14.66 per cent of total male Neoplasm deaths.

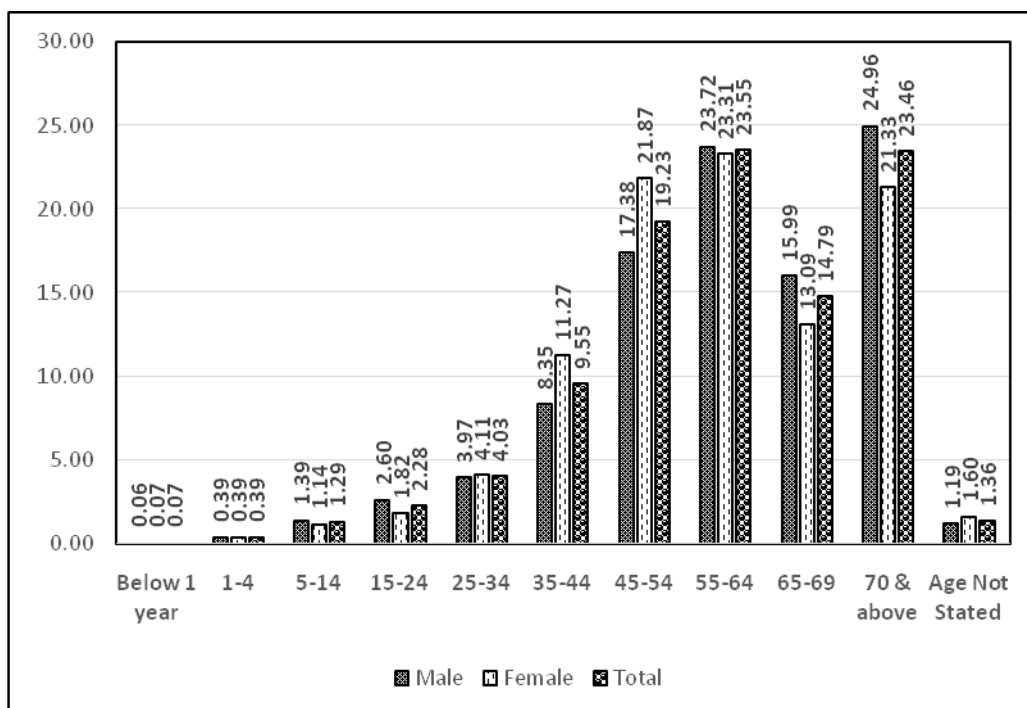
**3.8.2** The incidence of Neoplasm death is reported to be the highest i.e. 23.55 per cent in the age group 55-64 years (23.72 per cent of males and 23.31 per cent of females), followed by the age group above 70 years recording 23.46 per cent of deaths (24.96 per cent of males and 21.33 per cent of 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-12** and **Chart-10**.

#### Statement- 12

#### Age Distribution of Deaths Due to Neoplasm Under MCCD-2018

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	5	0.06	4	0.07	9	0.07
2	1-4	31	0.39	22	0.39	53	0.39
3	5-14	111	1.39	64	1.14	175	1.29
4	15-24	208	2.60	102	1.82	310	2.28
5	25-34	317	3.97	231	4.11	548	4.03
6	35-44	667	8.35	633	11.27	1300	9.55
7	45-54	1389	17.38	1228	21.87	2617	19.23
8	55-64	1896	23.72	1309	23.31	3205	23.55
9	65-69	1278	15.99	735	13.09	2013	14.79
10	70 & above	1995	24.96	1198	21.33	3193	23.46
11	Age Not Stated	95	1.19	90	1.60	185	1.36
	<b>Total</b>	<b>7992</b>	<b>100.00</b>	<b>5616</b>	<b>100.00</b>	<b>13608</b>	<b>100.00</b>

**CHART- 10**  
**AGE DISTRIBUTION OF DEATHS DUE TO NEOPLASM UNDER MCCD-2018**



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

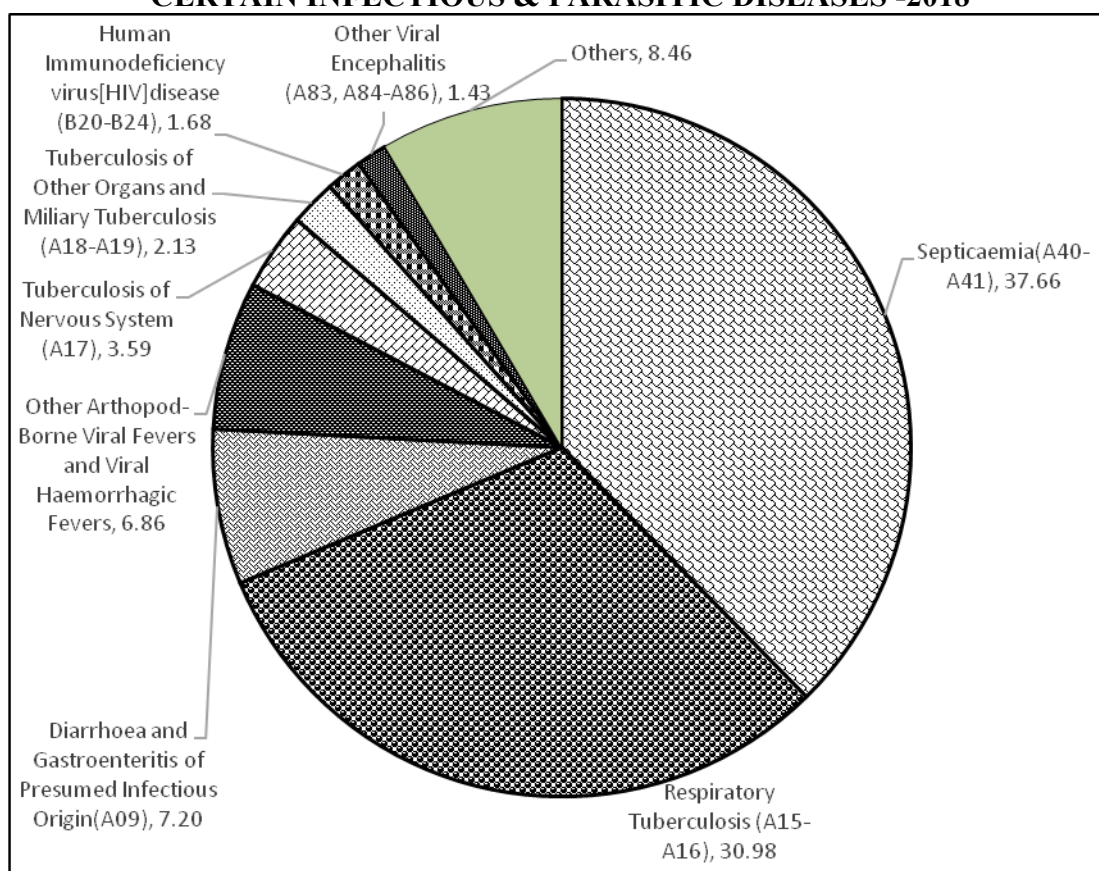
It is the Fourth leading cause group of disease accounting for 8.87 per cent of total medically certified deaths, which constitute 8.91 per cent of male and 8.79 per cent of female medically certified deaths of their respective totals. The distribution of major components under this cause group is shown in the **Statement-13** and is depicted in **Chart - 11**.

### Statement -13

#### Distribution of Major Causes of Deaths among Certain Infectious and Parasitic Diseases Under MCCD-2018

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Septicaemia(A40-A41)	3076	35.62	1949	41.41	5025	37.66	3.34
2	Respiratory Tuberculosis (A15-A16)	3002	34.77	1132	24.05	4134	30.98	2.75
3	Diarrhoea and Gastroenteritis of Presumed Infectious Origin(A09)	518	6.00	443	9.41	961	7.20	0.64
4	Other Arthropod-Borne Viral Fevers and Viral Haemorrhagic Fevers	551	6.38	364	7.73	915	6.86	0.61
5	Tuberculosis of Nervous System (A17)	335	3.88	144	3.06	479	3.59	0.32
6	Tuberculosis of Other Organs and Miliary Tuberculosis (A18-A19)	183	2.12	101	2.15	284	2.13	0.19
7	Human Immunodeficiency virus[HIV]disease (B20-B24)	145	1.68	79	1.68	224	1.68	0.15
8	Other Viral Encephalitis (A83.1-A83.9, A84-A86)	117	1.35	74	1.57	191	1.43	0.13
9	Others	708	8.20	421	8.94	1129	8.46	0.75
	<b>Total Medically Certified Deaths due to Certain Infectious and Parasitic Diseases</b>	<b>8635</b>	<b>100.00</b>	<b>4707</b>	<b>100.00</b>	<b>13342</b>	<b>100.00</b>	<b>8.87</b>
	Deaths due to Infectious and Parasitic Disease as percentage to total medically certified deaths		<b>8.91</b>		<b>8.79</b>		<b>8.87</b>	

**Chart – 11**  
**PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN INFECTIOUS & PARASITIC DISEASES -2018**



**3.9.1** Among the *Certain Infectious and Parasitic Diseases*, ‘*Septicemia*’ is the highest reported medically certified cause of mortality, constituting around **37.66 per cent**, followed by ‘*Respiratory Tuberculosis*’ (**30.98 per cent**). Under this major group, percentage of *Septicemia* deaths in females is **41.41 per cent** as against **35.62 per cent** of males out of their respective totals. The share of ‘*Diarrhoea & Gastroenteritis of presumed Infectious Origin*’, ‘*Other Arthropod- Borne Fevers and Viral Haemorrhagic fevers*’, and ‘*Tuberculosis of Nervous System*’ in the total deaths under this group are **7.20, 6.86 and 3.59 per cent** respectively.

**3.9.2** The age distribution of medically certified deaths due to ‘*Certain Infectious and Parasitic Diseases*’ has been given in below **Statement-14** and is presented in **Chart-12**.



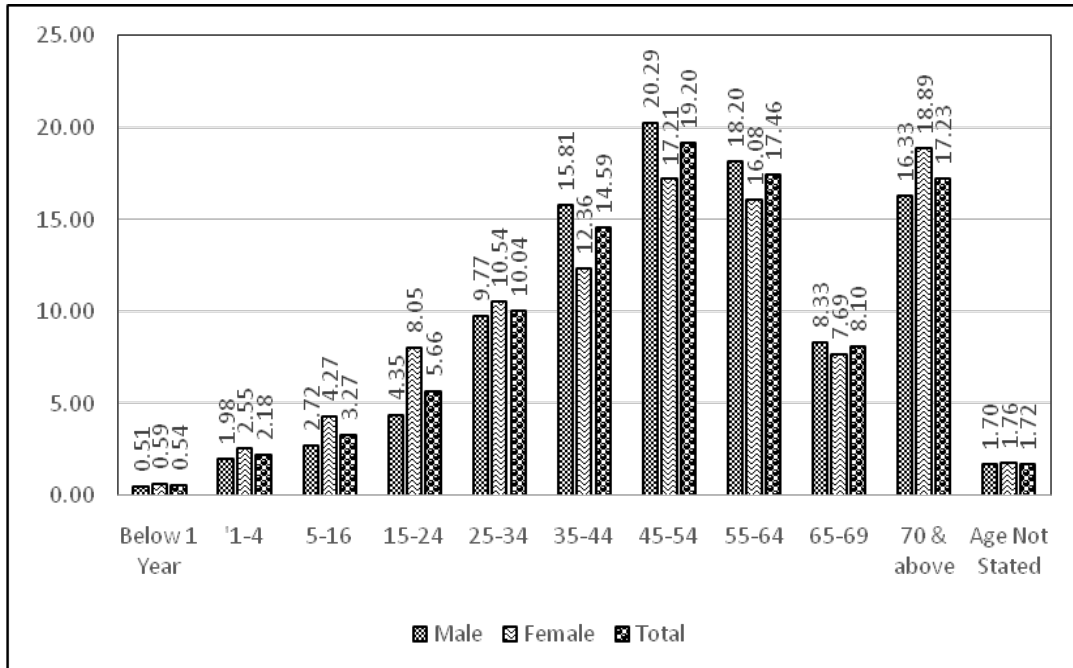
**Statement-14**

**Age Distribution of Deaths due to Certain Infectious and Parasitic Diseases Under MCCD-2018**

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	44	0.51	28	0.59	72	0.54
2	1-4	171	1.98	120	2.55	291	2.18
3	5-16	235	2.72	201	4.27	436	3.27
4	15-24	376	4.35	379	8.05	755	5.66
5	25-34	844	9.77	496	10.54	1340	10.04
6	35-44	1365	15.81	582	12.36	1947	14.59
7	45-54	1752	20.29	810	17.21	2562	19.20
8	55-64	1572	18.20	757	16.08	2329	17.46
9	65-69	719	8.33	362	7.69	1081	8.10
10	70 & above	1410	16.33	889	18.89	2299	17.23
11	Age Not Stated	147	1.70	83	1.76	230	1.72
	<b>Total</b>	<b>8635</b>	<b>100.00</b>	<b>4707</b>	<b>100.00</b>	<b>13342</b>	<b>100.00</b>

**Chart -12**

**AGE DISRIBUTION OF DEATHS DUE TO “CERTAIN INFECTIOUS & PARASITIC DISEASES” UNDER MCCD – 2018**



As shown in the **Statement-14**, the highest incidence of deaths (19.20 per cent) is reported for the age group 45-54 years, closely followed by age groups 55-64 years (17.46 per cent) and 70 and above years (17.23 per cent). The age-group 25-34 years has contributed to around 10.04 per cent of total deaths under the cause group '*Certain Infectious and Parasitic Diseases*'.

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

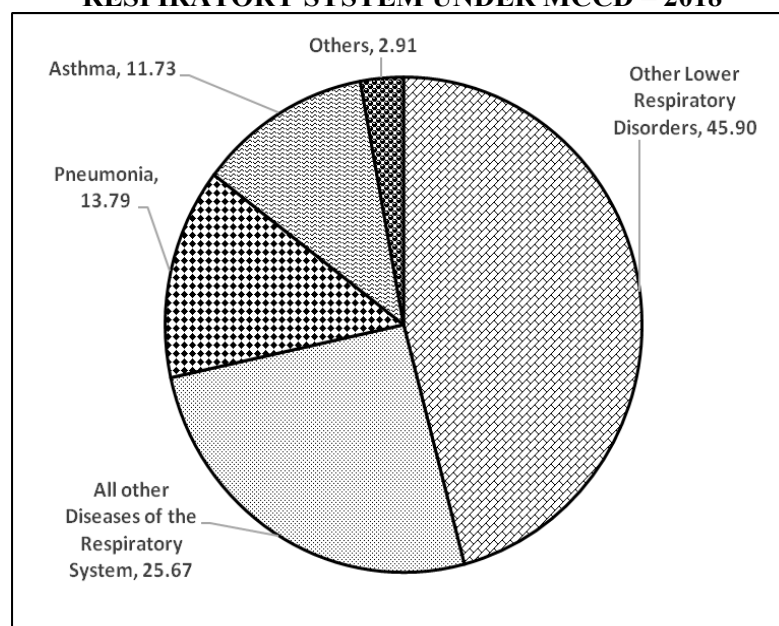
The major group of Diseases of Respiratory System is the fifth leading cause, responsible for 8.52 per cent of the total medically certified deaths. This has contributed to 8.82 per cent of male and 7.97 per cent of female deaths. The distribution of chief constituents of the major cause group is given in **Statement-15** and is presented in **Chart-13**.

**Statement – 15**  
**Distribution of Deaths due to Diseases of Respiratory System Under MCCD-2018**

SI No.	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Lower Respiratory Disorders	4358	51.00	1524	35.70	5882	45.90	3.91
2	All other Diseases of the Respiratory System	2133	24.96	1156	27.08	3289	25.67	2.19
3	Pneumonia	1044	12.22	723	16.94	1767	13.79	1.17
4	Asthma	774	9.06	729	17.08	1503	11.73	1.00
5	Others	236	2.76	137	3.21	373	2.91	0.25
	<b>Total Medically Certified Deaths due to Diseases of Respiratory System</b>	<b>8545</b>	<b>100.00</b>	<b>4269</b>	<b>100.00</b>	<b>12814</b>	<b>100.00</b>	<b>8.52</b>
	Deaths due to Diseases of Respiratory system as percentage to total medically certified deaths		<b>8.82</b>		<b>7.97</b>		<b>8.52</b>	

**Chart – 13**

**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF RESPIRATORY SYSTEM UNDER MCCD – 2018**



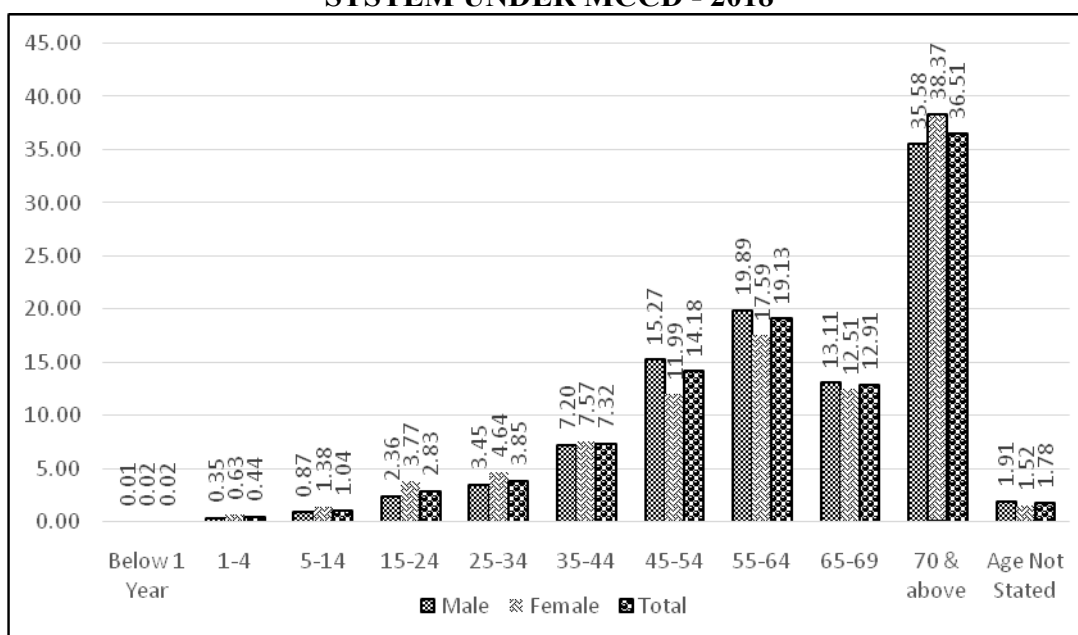
**3.10.1 ‘Other lower Respiratory disorders’**, is the leading cause of death, has caused 46 out of every hundred reported deaths under the major cause group (45.90 per cent). It is followed by **‘All other Diseases of the Respiratory System’** has caused 25.67 per cent of the deaths. **‘Pneumonia’** an inflammatory illness of the lung and also one of the leading cause of death among the elderly and Children has caused 14 out of every hundred reported deaths (13.79 per cent). The percentage share of Pneumonia to the total medically certified deaths is 1.17 percent with the corresponding share of Asthma being 1.00 per cent. The age composition of deaths due to ‘Diseases of Respiratory System’ is presented in **Statement-16** and is highlighted in **Chart-14**.

**Statement – 16**

**Age Distribution of Deaths due to Diseases of Respiratory system Under MCCD-2018**

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	30	0.35	27	0.63	57	0.44
3	5-14	74	0.87	59	1.38	133	1.04
4	15-24	202	2.36	161	3.77	363	2.83
5	25-34	295	3.45	198	4.64	493	3.85
6	35-44	615	7.20	323	7.57	938	7.32
7	45-54	1305	15.27	512	11.99	1817	14.18
8	55-64	1700	19.89	751	17.59	2451	19.13
9	65-69	1120	13.11	534	12.51	1654	12.91
10	70 & above	3040	35.58	1638	38.37	4678	36.51
11	Age Not Stated	163	1.91	65	1.52	228	1.78
	<b>Total</b>	<b>8545</b>	<b>100.00</b>	<b>4269</b>	<b>100.00</b>	<b>12814</b>	<b>100.00</b>

**Chart – 14**  
**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF RESPIRATORY**  
**STSTEM UNDER MCCD - 2018**



**3.10.2** The age group ‘70 and above years’ has reported maximum incidence of deaths (36.51 per cent) under the major cause group followed by the age group ‘55-64 years’ with 19.13 per cent of deaths due to ‘Diseases of Respiratory system’. The children of age group 0-4 have contributed to only 0.46 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 82.73 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. 10.44 per cent for females compared to 7.04 per cent of males).

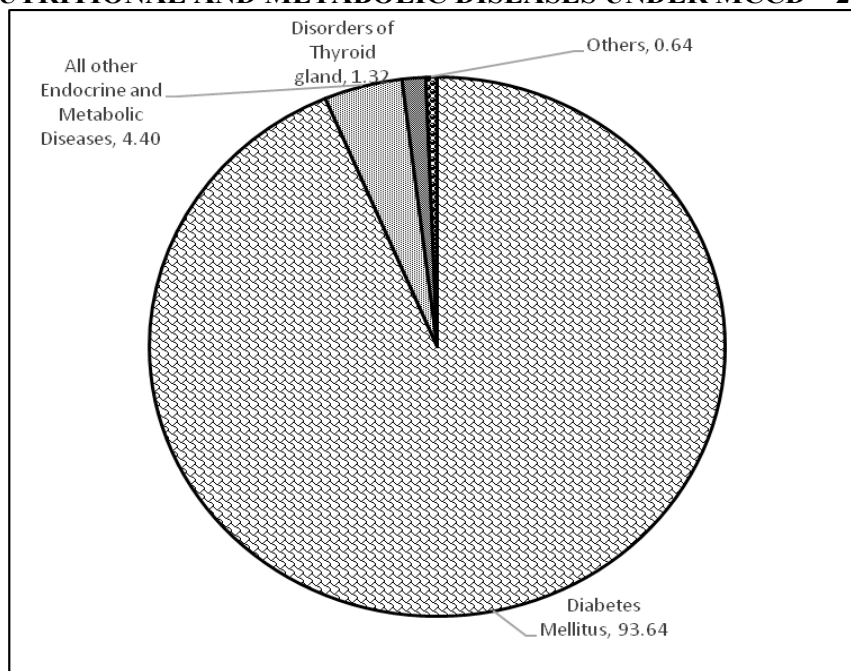
**3.11 Endocrine, Nutritional and Metabolic Diseases (IV) :** This is the Sixth leading cause group has contributed to 6.78 per cent of the total medically certified deaths. Under this cause group, ‘*Diabetes Mellitus*’ that causes serious health complications such as renal failures, heart disease, stroke 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 93.64 per cent of total deaths reported under the cause group. The share of Diabetes Mellitus in total medically certified deaths is 6.35 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 -2018**

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diabetes Mellitus	5574	93.90	3982	93.28	9556	93.64	6.35
2	All other Endocrine and Metabolic Diseases	280	4.72	169	3.96	449	4.40	0.30
3	Disorders of Thyroid gland	38	0.64	97	2.27	135	1.32	0.09
4	Others	44	0.74	21	0.49	65	0.64	0.04
	<b>Total Medically Certified Deaths due to Endocrine, Nutritional and Metabolic Diseases</b>	<b>5936</b>	<b>100.00</b>	<b>4269</b>	<b>100.00</b>	<b>10205</b>	<b>100.00</b>	<b>6.78</b>
	Deaths due to Diseases of Endocrine, Nutritional and metabolic Diseases as percentage to total medically certified deaths		<b>6.13</b>		<b>7.97</b>		<b>6.78</b>	

**Chart – 15**

**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES UNDER MCCD – 2018**



**3.11.1** The incidence of '*Diabetes Mellitus*' death is reported to be the highest for the age group 70 and above (37.09 per cent). The **Statement-18** reveals that the deaths

due to this disease are concentrated in the age 45 years and above, contributing around 89.69 per cent of the total Diabetes Mellitus deaths under MCCD.

**Statement – 18**

**Age Distribution of Deaths Due to Diabetes Mellitus Under MCCD – 2018**

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	15	0.27	20	0.50	35	0.37
4	15-24	44	0.79	49	1.23	93	0.97
5	25-34	101	1.81	63	1.58	164	1.72
6	35-44	278	4.99	153	3.84	431	4.51
7	45-54	892	16.00	534	13.41	1426	14.92
8	55-64	1338	24.00	873	21.92	2211	23.14
9	65-69	790	14.17	599	15.04	1389	14.54
10	70 & above	1948	34.95	1596	40.08	3544	37.09
11	Age Not Stated	168	3.01	95	2.39	263	2.75
	<b>Total</b>	<b>5574</b>	<b>100.00</b>	<b>3982</b>	<b>100.00</b>	<b>9556</b>	<b>100.00</b>

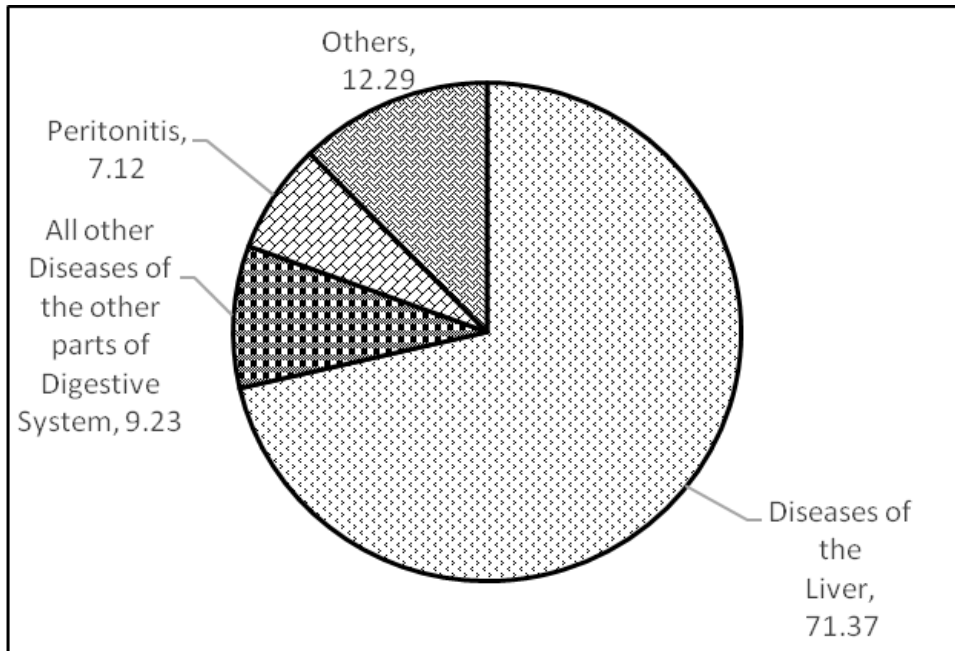
**3.12 Diseases of the Digestive System (XI):** The major group comprising '*Diseases of Digestive system*' is the Seventh leading cause group, responsible for 6.43 per cent of the total medically certified deaths with 8.04 per cent of male and 3.51 per cent of female deaths. The percentage of male digestive 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-19** and is highlighted in **Chart-16**.

**Statement – 19**

**Distribution of Deaths due to Digestive System Under MCCD-2018**

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diseases of the Liver	5656	72.62	1244	66.17	6900	71.37	4.59
2	All other Diseases of the other parts of Digestive System	665	8.54	227	12.07	892	9.23	0.59
3	Peritonitis	537	6.90	151	8.03	688	7.12	0.46
4	Others	930	11.94	258	13.72	1188	12.29	0.79
	<b>Total Medically Certified Deaths due to Digestive System</b>	<b>7788</b>	<b>100.00</b>	<b>1880</b>	<b>100.00</b>	<b>9668</b>	<b>100.00</b>	<b>6.43</b>
	Deaths due to Diseases of Digestive System as percentage to total medically certified deaths		<b>8.04</b>		<b>3.51</b>		<b>6.43</b>	

**CHART – 16**  
**PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DIGESTIVE SYSTEM**  
**UNDER MCCD - 2018**



**3.12.1** Among the deaths due to disorders of digestive system, ***'Diseases of the Liver'*** account for 71.37 per cent of the total medically certified deaths in this group. The share of liver diseases is about 5 per cent among the total medically certified deaths. ***'All other Diseases of the other parts of the Digestive System'*** and ***'Peritonitis'*** also have responsible for 9.23 per cent and 7.12 per cent of total deaths under this major cause group.

**3.12.2** The **Statement- 20** reveals that the age group '45-54 years' have reported the maximum deaths (25.42 per cent) under the major group ***'Diseases of Digestive System'***. As high as 94.42 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-19**.

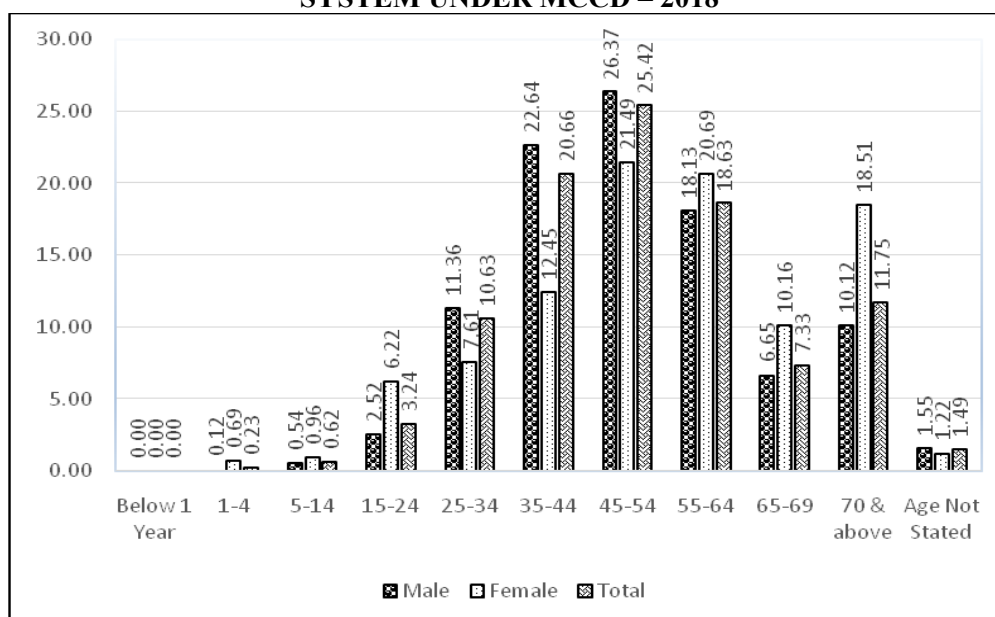
## Statement - 20

### Age Distribution of Deaths due to Digestive System Under MCCD-2018

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	9	0.12	13	0.69	22	0.23
3	5-14	42	0.54	18	0.96	60	0.62
4	15-24	196	2.52	117	6.22	313	3.24
5	25-34	885	11.36	143	7.61	1028	10.63
6	35-44	1763	22.64	234	12.45	1997	20.66
7	45-54	2054	26.37	404	21.49	2458	25.42
8	55-64	1412	18.13	389	20.69	1801	18.63
9	65-69	518	6.65	191	10.16	709	7.33
10	70 & above	788	10.12	348	18.51	1136	11.75
11	Age Not Stated	121	1.55	23	1.22	144	1.49
	<b>Total</b>	<b>7788</b>	<b>100.00</b>	<b>1880</b>	<b>100.00</b>	<b>9668</b>	<b>100.00</b>

### CHART - 19

#### AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF DIGESTIVE SYSTEM UNDER MCCD – 2018



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

The group of diseases relating to '*Certain conditions originating in the Perinatal Period*' is the Eighth leading cause of death, accounting 6.01 per cent of the total medically certified deaths. This has contributed to 5.98 per cent of male and 6.07 per cent of female medically certified deaths. The distribution of major causes of

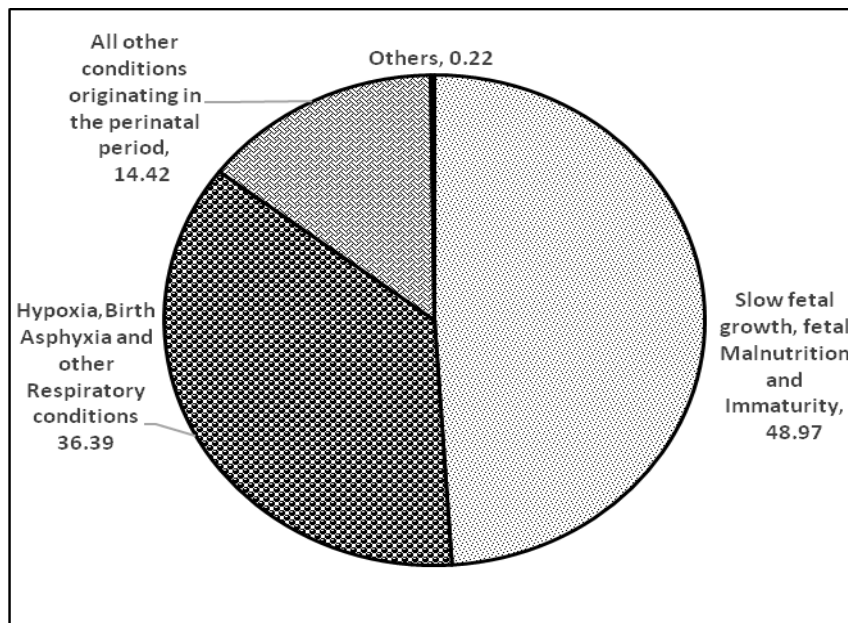


deaths under this group is shown in the **Statement-21** and is portrayed in the **Chart-18**.

**Statement- 21**  
**Distribution of Deaths due to Certain Conditions Originating in the Perinatal Period Under MCCD-2018**

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Slow fetal growth, fetal Malnutrition and Immaturity	2764	47.71	1664	51.22	4428	48.97	2.94
2	Hypoxia,Birth Asphyxia and other Respiratory conditions	2161	37.30	1129	34.75	3290	36.39	2.19
3	All other conditions originating in the perinatal period	854	14.74	450	13.85	1304	14.42	0.87
4	Others	14	0.24	6	0.18	20	0.22	0.01
	<b>Total Medically Certified Deaths due to certain Conditions Originating in the Perinatal Period</b>	<b>5793</b>	<b>100.00</b>	<b>3249</b>	<b>100.00</b>	<b>9042</b>	<b>100.00</b>	<b>6.01</b>
	Deaths due to certain Conditions Originating in the Perinatal Period as percentage to total Medically Certified Deaths		<b>5.98</b>		<b>6.07</b>		<b>6.01</b>	

**Chart – 18**  
**PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD –2018**



## 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 (76.52 per cent) under the '*Genitourinary System*' disease with the overall share of 3.01 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**.

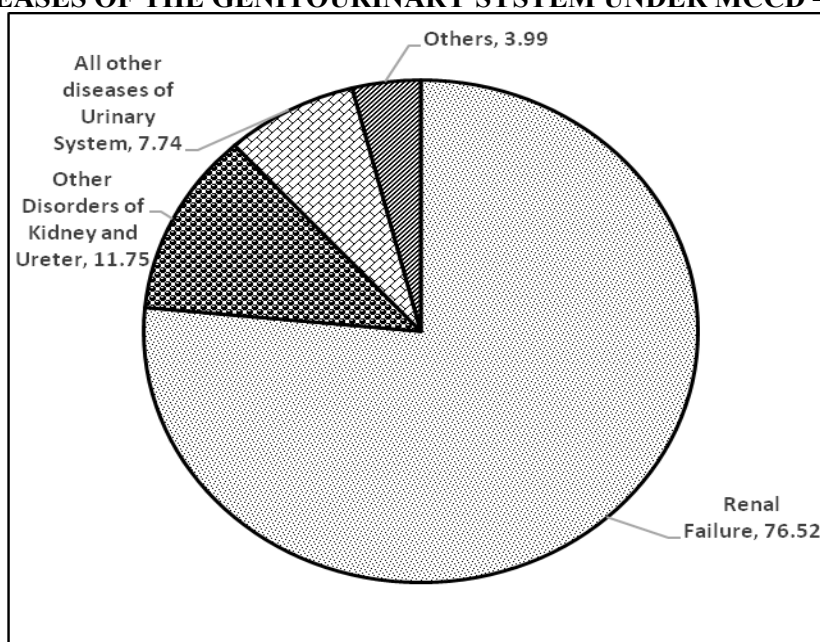
#### Statement – 22

#### Distribution of Major Causes of Deaths Due to Diseases of the Genitourinary System Under MCCD – 2018

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Renal Failure	2939	76.52	1587	76.52	4526	76.52	3.01
2	Other Disorders of Kidney and Ureter	477	12.42	218	10.51	695	11.75	0.46
3	All other diseases of Urinary System	289	7.52	169	8.15	458	7.74	0.30
4	Others	136	3.54	100	4.82	236	3.99	0.16
	<b>Total Medically Certified Deaths due to Genito- urinary System</b>	<b>3841</b>	<b>100.00</b>	<b>2074</b>	<b>100.00</b>	<b>5915</b>	<b>100.00</b>	<b>3.93</b>
	Deaths due to Diseases of Genitourinary System as percentage to total Medically certified Deaths		<b>3.97</b>		<b>3.49</b>		<b>3.93</b>	

#### CHART – 19

#### PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE GENITOURINARY SYSTEM UNDER MCCD – 2018



**3.14.1** The incidence of '*Renal failure*' death is reported to be, the highest for the age '*70 and above years*' (32.08 per cent). The **Statement-23** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 81.90 per cent of total deaths reported under MCCD due to renal failure.

**Statement – 23**

**Age Distribution of Deaths Due to Renal Failure Under MCCD-2018**

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	18	0.61	19	1.20	37	0.82
4	15-24	45	1.53	53	3.34	98	2.17
5	25-34	119	4.05	90	5.67	209	4.62
6	35-44	243	8.27	109	6.87	352	7.78
7	45-54	455	15.48	223	14.05	678	14.98
8	55-64	691	23.51	328	20.67	1019	22.51
9	65-69	338	11.50	220	13.86	558	12.33
10	70 & above	937	31.88	515	32.45	1452	32.08
11	Age Not stated	93	3.16	30	1.89	123	2.72
	<b>Total</b>	<b>2939</b>	<b>100.00</b>	<b>1587</b>	<b>100.00</b>	<b>4526</b>	<b>100.00</b>

**3.15 Diseases of the Nervous System (VI):**

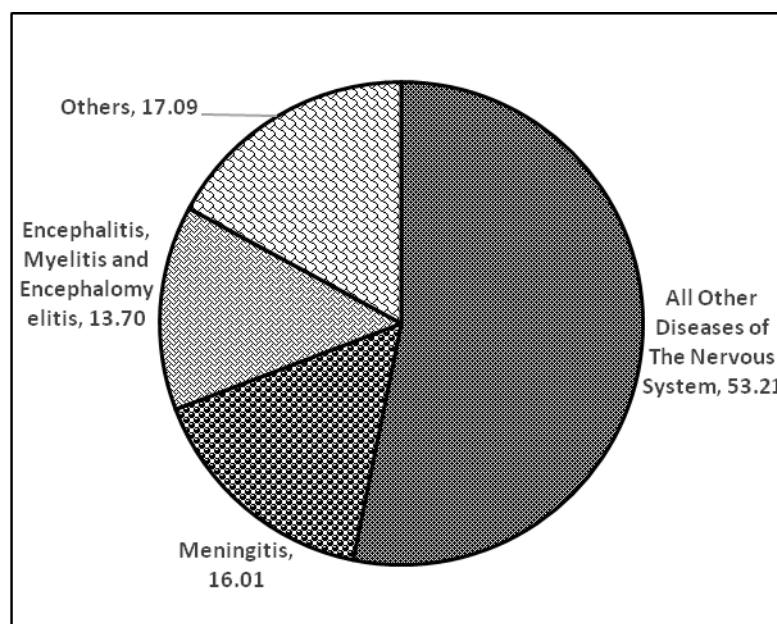
The cause group of Diseases of Nervous System is responsible for 2.45 per cent of the total medically certified deaths. The distribution of major causes of deaths under this group is shown in the **Statement-24** and is highlighted in **Chart-20**

**Statement – 24**

**Distribution of Major Causes of Deaths due to Diseases of the Nervous System under MCCD – 2018**

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	All Other Diseases of The Nervous System	1278	55.91	680	48.78	1958	53.21	<b>1.30</b>
2	Meningitis	351	15.35	238	17.07	589	16.01	<b>0.39</b>
3	Encephalitis, Myelitis and Encephalomyelitis	291	12.73	213	15.28	504	13.70	<b>0.34</b>
4	Others	366	16.01	263	18.87	629	17.09	<b>0.42</b>
	<b>Total Medically Certified Deaths due to Diseases of Nervous System</b>	<b>2286</b>	<b>100.00</b>	<b>1394</b>	<b>100.00</b>	<b>3680</b>	<b>100.00</b>	<b>2.45</b>
	Deaths due to Diseases of Nervous System as percentage to total Medically Certified Deaths		<b>2.36</b>		<b>2.60</b>		<b>2.45</b>	

**Chart – 20**  
**PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDER MCCD – 2018**



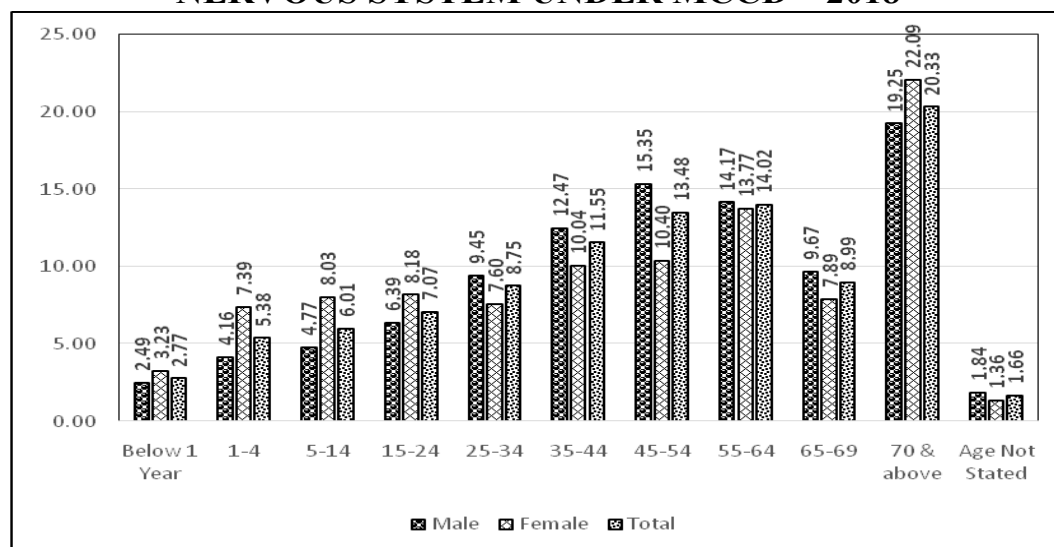
*'All other Diseases of the Nervous System'* accounts for the maximum (53.21 per cent) deaths reported under this group, followed by *'Meningitis'* (16.01 per cent) *'Encephalitis Myelitis and Encephalomyelitis'* (13.70 per cent) and. The share of *'Meningitis'* in the total medically certified deaths is about 0.39 per cent.

3.15.1 The age group '70 & above' has reported the maximum deaths (20.33 per cent) under the major group *'Diseases of the Nervous System'*, this is followed by age groups 55-64 and 45-54 years have 14.02 per cent and 13.48 per cent respectively. Viewed from the angle of age, it affects worstly the age group below 1 year (2.77 per cent). The distribution of age-wise deaths is depicted in **Statement-25** and **Chart-21**.

**Statement – 25**  
**Agewise Distribution of Deaths Due to Diseases of the Nervous System Under MCCD - 2018**

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	57	2.49	45	3.23	102	2.77
2	1-4	95	4.16	103	7.39	198	5.38
3	5-14	109	4.77	112	8.03	221	6.01
4	15-24	146	6.39	114	8.18	260	7.07
5	25-34	216	9.45	106	7.60	322	8.75
6	35-44	285	12.47	140	10.04	425	11.55
7	45-54	351	15.35	145	10.40	496	13.48
8	55-64	324	14.17	192	13.77	516	14.02
9	65-69	221	9.67	110	7.89	331	8.99
10	70 & above	440	19.25	308	22.09	748	20.33
11	Age Not Stated	42	1.84	19	1.36	61	1.66
	<b>Total</b>	<b>2286</b>	<b>100.00</b>	<b>1394</b>	<b>100.00</b>	<b>3680</b>	<b>100.00</b>

**Chart- 21**  
**AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDER MCCD – 2018**



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

This leading major cause group responsible for 3.51 per cent of the total medically certified deaths of which 3.22 per cent of males and 4.04 per cent of female death. The high prevalence of causes of death being reported under this cause from the hospitals reporting Medical Certification of Cause of Death data, clearly suggests about the deficiency in clarification especially improper classification of causes of deaths by the attending doctors. As depicted in the **Statement-26. "All other Symptoms, Signs and Abnormal Clinical & Laboratory Findings Not Elsewhere Classified"** accounted for 75.41 per cent of the total deaths in this group.

**Statement-26**  
**Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not Elsewhere Classified Under MCCD-2018**

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	2516	80.62	1468	67.90	3984	75.41	2.65
2	Senility	534	17.11	653	30.20	1187	22.47	0.79
3	Others	71	2.27	41	1.90	112	2.12	0.07
	<b>Total medically Certified Deaths due to Symptoms Signs and Abnormal Clinical &amp; Laboratory Findings not elsewhere classified</b>	<b>3121</b>	<b>100.00</b>	<b>2162</b>	<b>100.00</b>	<b>5283</b>	<b>100.00</b>	<b>3.51</b>
	Deaths due to Diseases of Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified as percentage to total medically certified deaths		<b>3.22</b>		<b>4.04</b>		<b>3.51</b>	

3.16.1 As shown in the **Statement-27** the highest incidence of deaths (43.21 per cent) is reported for the age group 70 years and above. The age group “45 years and above” contributed nearly 78.71 per cent of total mortality reported under this cause group.

**Statement-27**

**Age Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified Under MCCD -2018**

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	20	0.64	9	0.42	29	0.55
3	5-14	31	0.99	28	1.30	59	1.12
4	15-24	106	3.40	66	3.05	172	3.26
5	25-34	197	6.31	77	3.56	274	5.19
6	35-44	303	9.71	91	4.21	394	7.46
7	45-54	522	16.73	186	8.60	708	13.40
8	55-64	463	14.83	234	10.82	697	13.19
9	65-69	288	9.23	182	8.42	470	8.90
10	70 & above	1075	34.44	1208	55.87	2283	43.21
11	Age Not Stated	116	3.72	81	3.75	197	3.73
	<b>Total</b>	<b>3121</b>	<b>100.00</b>	<b>2162</b>	<b>100.00</b>	<b>5283</b>	<b>100.00</b>

**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 2.11 per cent of the total medically certified deaths. This cause group accounts for 1.60 per cent of total male and 3.03 per cent of total female medically certified deaths. “*Other Anaemias*” is the major cause constitutes around 87.81 per cent of total deaths reported in the cause group and 1.85 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-2018**

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Anaemias	1356	87.43	1432	88.18	2788	87.81	1.85
2	All other Diseases of Blood & Blood forming organs	182	11.73	171	10.53	353	11.12	0.23
3	Others	13	0.84	21	1.29	34	1.07	0.02
	<b>Total medically Certified Deaths due to Blood and Blood forming organs and Immunity Mechanism</b>	<b>1551</b>	<b>100.00</b>	<b>1624</b>	<b>100.00</b>	<b>3175</b>	<b>100.00</b>	<b>2.11</b>
	Deaths due to Diseases of Blood and Blood forming organs and Immunity Mechanism as percentage to total medically certified deaths		<b>1.60</b>		<b>3.03</b>		<b>2.11</b>	

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

Merely 2452 deaths are reportedly caused by '*Congenital Malformations, deformations and Chromosomal abnormalities*', constituting about 1.63 per cent of the total medically certified deaths. The majority of these deaths occur for age less than one year (1633 or 66.60 per cent). Under this cause group, about 64.91 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 – 2018**

Sl. No	Cause of Death	Age Group (In years)			Percentage to total
		<1	1 year and above (Including age not specified)	Total	
1	Spina Bifida	18	0	18	0.73
2	Congenital Malformations of the Circulatory System	1248	652	1900	77.49
3	Cleft Lip and Cleft Palate	1	0	1	0.04
4	All other Congenital Malformations, Deformations & Chromosomal Abnormalities	366	167	533	21.74
	<b>Total</b>	<b>1633</b>	<b>819</b>	<b>2452</b>	
	<b>Percentage to Total</b>	<b>66.60</b>	<b>33.40</b>	<b>100.00</b>	

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

These diseases account for 1019 medically certified deaths (0.68 per cent of the total medically certified deaths). This cause group accounts for 0.69 per cent of total male and 0.66 per cent of total female medically certified deaths. About 86.16 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 306 deaths (0.57 per cent of the total female medically certified deaths). As high as 96.08 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 3.92 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 – 2018

Sl. No	Cause of Death	No.	%	% to total female Medically Certified Deaths
1	Other Direct Obstetric Deaths	297	97.06	1.10
2	Pregnancy with Abortive Outcome	9	2.94	0.07
3	Other Obstetric Conditions not elsewhere Classified	0	0.00	0.02
	<b>Total Medically Certified Deaths due to Complication of Pregnancy, Childbirth and Puerperium</b>	<b>306</b>	<b>100.00</b>	<b>1.19</b>

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

This has contributed to 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 102 deaths (0.07 per cent of total medically certified deaths). The age group 25-64 years constitutes around 72.55 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 (59.80 per cent) of total deaths. The ratio of males to females was disproportionate in this group (86 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 – 2018

Sl. No	Cause of Death	Age Groups								% 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	1	14	12	9	12	13	61	59.80
2	Schizophrenia, Schizotypal & Delusional Disorders	0	1	2	6	11	2	11	33	32.35
3	All Other Mental Behavioural Disorders	0	1	1	4	0	1	1	8	7.843
	<b>Total</b>	<b>0</b>	<b>3</b>	<b>17</b>	<b>22</b>	<b>20</b>	<b>15</b>	<b>25</b>	<b>102</b>	<b>100.00</b>
	<b>Percentage to total</b>	<b>0</b>	<b>2.9</b>	<b>16.67</b>	<b>21.57</b>	<b>19.61</b>	<b>14.71</b>	<b>24.51</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. They are reporting merely 2 deaths.

## CHAPTER - IV

### SCHEME OF MCCD :

SPECIFIC CAUSE OF MORTALITY IN  
DIFFERENT AGE GROUPS



## CHAPTER- IV

### SPECIFIC CAUSE OF MORTALITY IN DIFFERENT AGE GROUPS

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

**4.1. Infants:** Out of the total medically certified deaths, around one- fourteenth 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 7.14 per cent and 7.37 per cent respectively. The maximum incidence of death under this age group (83.24 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** (85.35 per cent). This is followed by *‘Congenital Malformations, Deformations & Chromosomal Abnormalities’* (15.03 per cent) of which *Congenital Malformations of the Circulatory System* (76.42 per cent) is the major constituent. *‘Diseases of the Nervous System (G00-G98)’* which contribute to about 0.94 per cent of the total infant deaths, assume third rank, having *Meningitis* (70.58 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**.

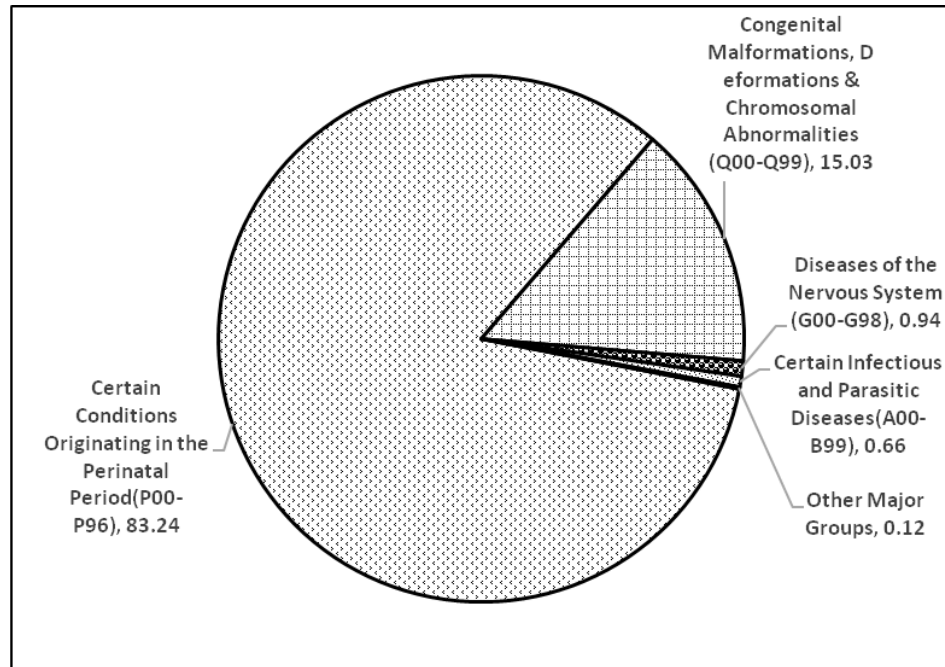
#### Statement – 32

##### Distribution of Mortality among Infants by Major Cause Group -2018

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Conditions Originating in the Perinatal Period(P00-P96)	5793	83.75	3249	82.36	9042	83.24
2	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	1016	14.69	617	15.64	1633	15.03
3	Diseases of the Nervous System (G00-G98)	57	0.82	45	1.14	102	0.94
4	Certain Infectious and Parasitic Diseases(A00-B99)	44	0.64	28	0.71	72	0.66
5	Other Major Groups	7	0.10	6	0.15	13	0.12
	<b>Total Medically Certified Deaths in the age group &lt;1 Year</b>	<b>6917</b>	<b>100.00</b>	<b>3945</b>	<b>100.00</b>	<b>10862</b>	<b>100.00</b>
	Deaths in the age group <1 year as percentage to total Medically certified deaths		<b>7.14</b>		<b>7.37</b>		<b>7.22</b>

**Chart – 22**

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

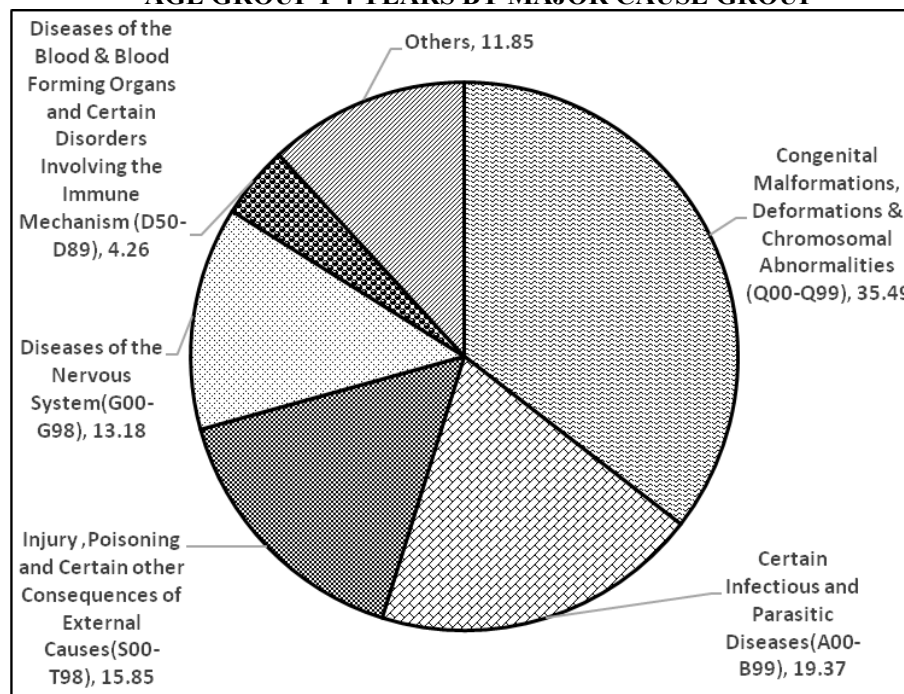


**4.2 Children aged 1-4 year :** Of the total medically certified deaths, 1.00 per cent has been reported from this age-group, accounting for 0.89 per cent and 1.20 per cent of total male and female medically certified deaths respectively. **‘Congenital Malformations, Deformations and Chromosomal Abnormalities’** rank first, constituting 35.49 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 77.11 per cent of the deaths in Congenital Abnormalities group. **‘Certain infectious and Parasitic Diseases’** is the second leading cause contribute around 19.37 per cent of total medically certified deaths in the age group. ***Diarrhoea and Gastro enteritis of Presumed Infectious Origin*** (18.55 per cent), ***Septicaemia*** (29.55 per cent) and ***Other Arthropod Born Viral Fevers and Viral Haemorrhagic fevers*** (22.33 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 15.85 per cent of deaths in this age group. **‘Burns and Corrosions’** have taken about **34.45** 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 - 2018**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Congenital Malformations, Deformations & Chromosomal Abnormalities (Q00-Q99)	311	36.20	222	34.5257	533	35.49
2	Certain Infectious and Parasitic Diseases(A00-B99)	171	19.91	120	18.6625	291	19.37
3	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	146	17.00	92	14.3079	238	15.85
4	Diseases of the Nervous System(G00-G98)	95	11.06	103	16.0187	198	13.18
5	Diseases of the Blood & Blood Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	36	4.19	28	4.35459	64	4.26
6	Others	100	11.64	78	12.1306	178	11.85
	<b>Total Medically Certified Deaths in the age group 1-4 Years</b>	<b>859</b>	<b>100.00</b>	<b>643</b>	<b>100.00</b>	<b>1502</b>	<b>100.00</b>
	Deaths in the age group 1-4 year as percentage to total Medically certified deaths		<b>0.89</b>		<b>1.20</b>		<b>1.00</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, 8.22 per cent has been reported from this age-group, accounting for 8.03 per cent and 8.57 per cent of total male and female medically certified deaths respectively. *‘Certain Conditions Originating in the Perinatal Period’* cause 73.13 per cent of deaths among this age group. *Congenital Malformations and Chromosomal Abnormalities* caused 17.52 per cent of deaths followed by *‘Certain infectious and Parasitic Diseases’* 2.94 per cent and *Diseases of Nervous System* 2.43 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 - 2018**

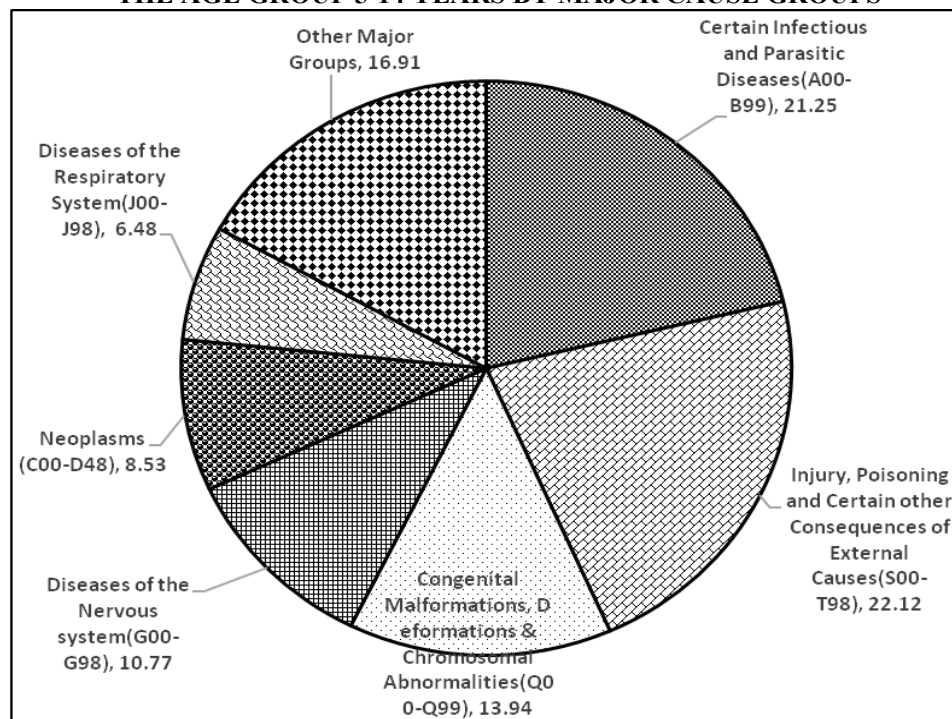
Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Conditions Originating in the Perinatal Period(P00-P96)	5793	74.50	3249	70.82	9042	73.13
2	Congenital Malformations, Deformations & Chromosomal Abnormalities (Q00-Q99)	1327	17.07	839	18.29	2166	17.52
3	Certain Infectious and Parasitic Diseases (A00-B99)	215	2.76	148	3.23	363	2.94
4	Diseases of the Nervous System (G00-G98)	152	1.95	148	3.23	300	2.43
5	Injury ,Poisoning and Certain other Consequences of External Causes (S00-T98)	146	1.88	92	2.01	238	1.92
6	Diseases of the Blood & Blood Forming Organs and Certain Disorders Involving the Immune Mechanism (D50-D89)	36	0.46	28	0.61	64	0.52
7	Others	107	1.38	84	1.83	191	1.54
	<b>Total Medically Certified Deaths in the age group 0-4 Years</b>	<b>7776</b>	<b>100.00</b>	<b>4588</b>	<b>100.00</b>	<b>12364</b>	<b>100.00</b>
	Deaths in the age group 0-4 year as percentage to total Medically certified deaths		<b>8.03</b>		<b>8.57</b>		<b>8.22</b>

**4.3 Children aged 5-14 years:** The share of this age group in the total medically certified deaths is 1.36 per cent, constituting 1.17 per cent and 1.71 per cent of total male and female medically certified deaths respectively. Of the total reported deaths under this age group, the share of *‘Certain infectious and Parasitic Diseases’* is 21.25 per cent followed by *‘Injury, poisoning & Certain Other Consequences of External Causes (22.12 per cent), Congenital Malformation, Deformation & Chromosomal Abnormalities* (13.94 per cent), *Diseases of the Nervous System* (10.77 per cent), *Neoplasm* (8.53 per cent) and *Diseases of the Respiratory System* (6.48 per cent). The Distribution of mortality in the age group 5-14 years, by major cause groups is given in Statement- 35 and Chart - 24.

**Statement – 35**  
**Distribution of Mortality among children in the Age Group 5-14 years by**  
**Major Cause group-2018**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Infectious and Parasitic Diseases(A00-B99)	235	20.70	201	21.92	436	21.25
2	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	265	23.35	189	20.61	454	22.12
4	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	164	14.45	122	13.30	286	13.94
3	Diseases of the Nervous system (G00-G98)	109	9.60	112	12.21	221	10.77
5	Neoplasms (C00-D48)	111	9.78	64	6.98	175	8.53
6	Diseases of the Respiratory System(J00-J98)	74	6.52	59	6.43	133	6.48
7	Other Major Groups	177	15.59	170	18.54	347	16.91
	<b>Total Medically Certified Deaths in the age group 5-14 Year</b>	<b>1135</b>	<b>100.00</b>	<b>917</b>	<b>100.00</b>	<b>2052</b>	<b>100.00</b>
	Deaths in the age group 5-14 year as percentage to total Medically certified deaths		<b>1.17</b>		<b>1.71</b>		<b>1.36</b>

**CHART – 24**  
**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG CHILDREN IN**  
**THE AGE GROUP 5-14 YEARS BY MAJOR CAUSE GROUPS**





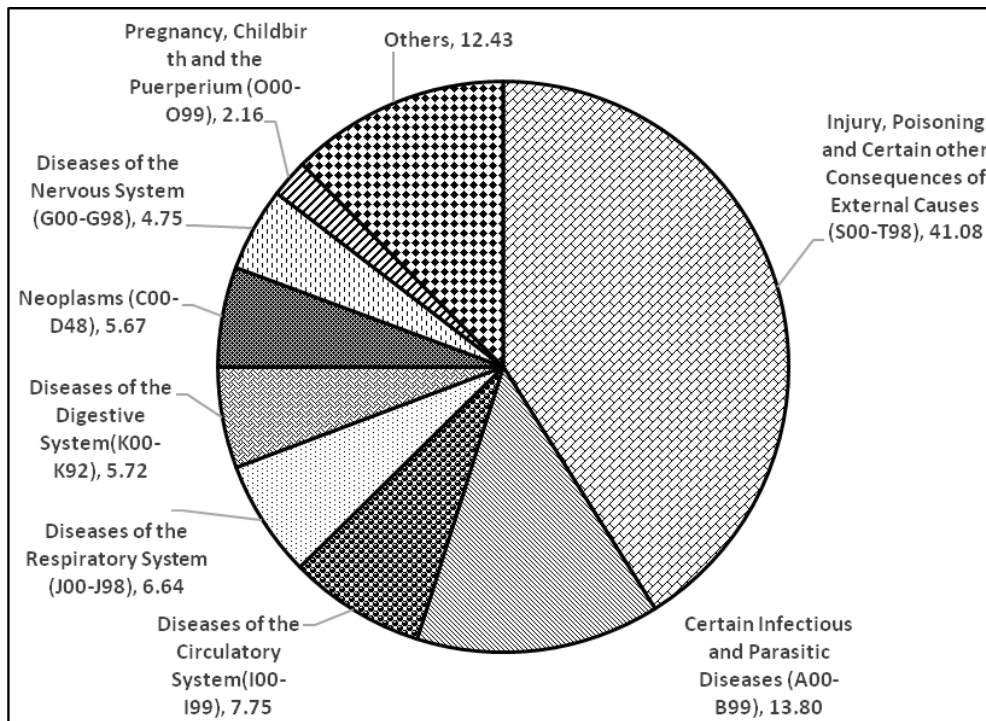
**4.4 Persons aged 15-24 years:** This age-group has contributed to 3.64 per cent of the total medically certified deaths and the share of male and female deaths to the corresponding total being 3.20 per cent and 4.43 per cent respectively. The category consisting of *“Injury, Poisoning & certain other consequences of External causes”* has caused the maximum deaths 41.08 per cent of total deaths reported under this age group. *“Certain Infectious and Parasitic Diseases”, “Diseases of the Circulatory System”, “Diseases of the Respiratory System” and “Diseases of the Digestive System”* are other leading causes of deaths, accounting for 13.80 per cent, 7.75 per cent, 6.64 per cent and 5.72 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 - 2018**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	1407	45.43	840	35.40	2247	41.08
2	Certain Infectious and Parasitic Diseases (A00-B99)	376	12.14	379	15.97	755	13.80
7	Diseases of the Circulatory System (I00-I99)	241	7.78	183	7.71	424	7.75
3	Diseases of the Respiratory System (J00-J98)	202	6.52	161	6.78	363	6.64
4	Diseases of the Digestive System (K00-K92)	196	6.33	117	4.93	313	5.72
8	Neoplasms (C00-D48)	208	6.72	102	4.30	310	5.67
5	Diseases of the Nervous System (G00-G98)	146	4.71	114	4.80	260	4.75
6	Pregnancy, Childbirth and the Puerperium (O00-O99)	0	0.00	118	4.97	118	2.16
9	Others	321	10.36	359	15.13	680	12.43
	<b>Total Medically Certified Deaths in the age group 15-24 Year</b>	<b>3097</b>	<b>100.00</b>	<b>2373</b>	<b>100.00</b>	<b>5470</b>	<b>100.00</b>
	Deaths in the age group 15-24 year as percentage to total Medically certified deaths		<b>3.20</b>		<b>4.43</b>		<b>3.64</b>

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



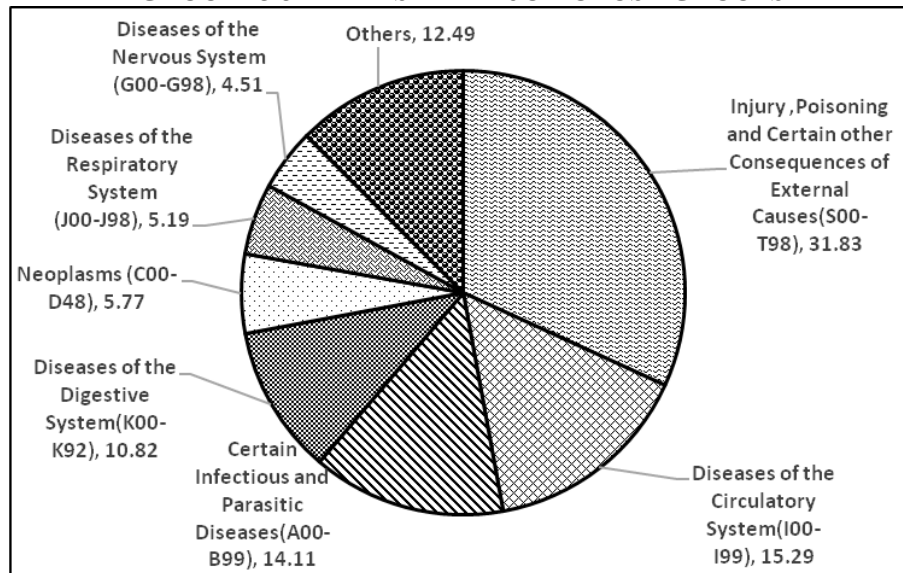
**4.5 Persons aged 25-34 years:** This age group has constituted around 6.32 per cent of total medically certified deaths. Around every fifteenth medically certified death belongs to this age-group, with 6.60 per cent of male and 5.81 per cent of female deaths. A significant percentage of deaths have been reported due to *'Injury, Poisoning & certain other consequences of External Causes'* (31.83 per cent). The two other major determinants of deaths are *'Diseases of the Circulatory System'* (15.29 per cent) and *'Certain Infectious and Parasitic Diseases'* (14.11). 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 -2018**

Sl. No	Major Cause Groups	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury ,Poisoning and Certain other Consequences of External Causes (S00-T98)	2165	33.87	859	27.65	3024	31.83
2	Diseases of the Circulatory System (I00-I99)	1008	15.77	444	14.29	1452	15.29
3	Certain Infectious and Parasitic Diseases(A00-B99)	844	13.20	496	15.96	1340	14.11
4	Diseases of the Digestive System (K00-K92)	885	13.85	143	4.60	1028	10.82
6	Neoplasms (C00-D48)	317	4.96	231	7.43	548	5.77
5	Diseases of the Respiratory System(J00-J98)	295	4.62	198	6.37	493	5.19
7	Diseases of the Nervous System (G00-G98)	106	1.66	322	10.36	428	4.51
8	Others	772	12.08	414	13.32	1186	12.49
	<b>Total Medically Certified Deaths in the age group 25-34 Year</b>	<b>6392</b>	<b>100.00</b>	<b>3107</b>	<b>100.00</b>	<b>9499</b>	<b>100.00</b>
	Deaths in the age group 25-34 year as percentage to total Medically certified deaths		<b>6.60</b>		<b>5.81</b>		<b>6.32</b>

**Chart -26**

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



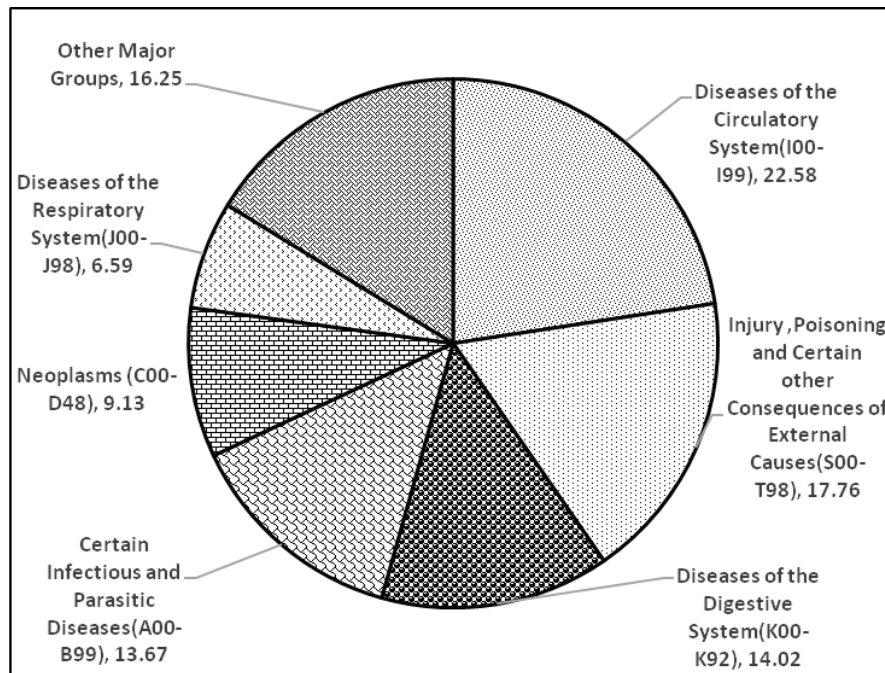
**4.6 Persons aged 35-44 years :** The overall contribution of this age-group in total medically certified deaths is 9.47 per cent, accounting for 10.53 per cent for male and 7.56 per cent of female deaths. *‘Diseases of the Circulatory System (22.58 per cent)’*, *‘Injury Poisoning and Certain Other Consequences of External Causes (17.76 per cent)’*, *‘Diseases of Digestive System (14.02 per cent)’*, *‘Certain Infectious and Parasitic Diseases (13.67 per cent)’*, *‘Neoplasms 9.13 per cent)’* and *‘Diseases of Respiratory System (6.59 per cent)’* are leading cause groups of deaths together contributing around 83.75 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 - 2018**

Sl. No	Major Cause Groups	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	2379	23.33	838	20.70	3217	22.58
2	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	1880	18.44	650	16.06	2530	17.76
4	Diseases of the Digestive System(K00-K92)	1763	17.29	234	5.78	1997	14.02
3	Certain Infectious and Parasitic Diseases(A00-B99)	1365	13.39	582	14.38	1947	13.67
5	Neoplasms (C00-D48)	667	6.54	633	15.64	1300	9.13
6	Diseases of the Respiratory System(J00-J98)	615	6.03	323	7.98	938	6.59
7	Other Major Groups	1527	14.98	788	19.47	2315	16.25
	<b>Total Medically Certified Deaths in the age group 35-44 Years</b>	<b>10196</b>	<b>100.00</b>	<b>4048</b>	<b>100.00</b>	<b>14244</b>	<b>100.00</b>
	Deaths in the age group 35-44 year as percentage to total Medically certified deaths		<b>10.53</b>		<b>7.56</b>		<b>9.47</b>

**Chart – 27**

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

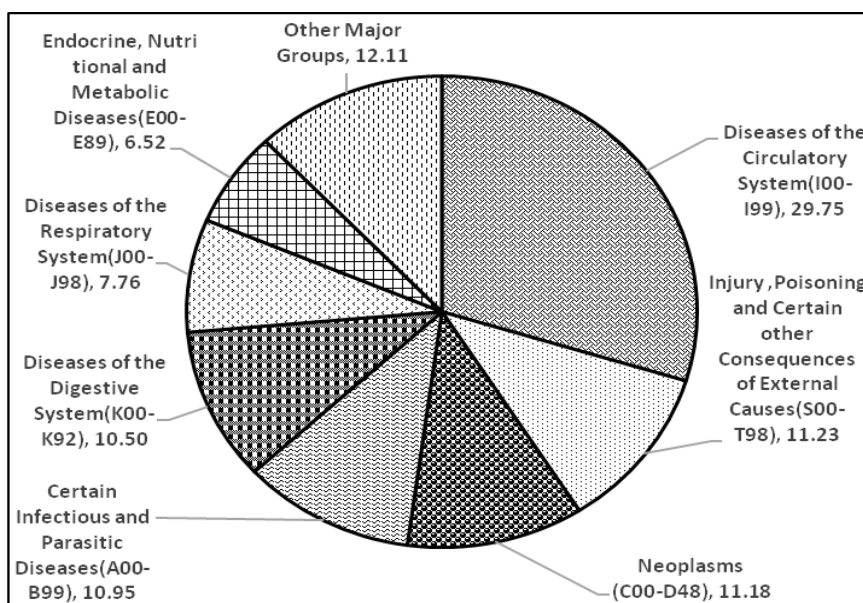


**4.7 Persons aged 45-54 years:** This age group has contributed to 15.56 per cent of the total medically certified deaths, constituting 16.78 per cent and 13.36 per cent of total male and female medically certified deaths respectively. The prominent causes of mortality in this age group are '*Diseases of Circulatory System*' (29.75 per cent), '*Injury, Poisoning & Certain other consequences of External Causes*' (11.23 per cent), '*Neoplasms*' (11.18 per cent), '*Certain, Infectious and Parasitic Diseases*' (10.95 per cent), '*Diseases of the Digestive System*' (10.50 per cent), '*Diseases of the Respiratory System*' (7.76 per cent) and '*Endocrine, Nutritional and Metabolic Diseases*' (6.52 per cent) which together contribute around 87.89 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 - 2018**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	4853	29.86	2111	29.51	6964	29.75
2	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	2058	12.66	571	7.98	2629	11.23
3	Neoplasms (C00-D48)	1389	8.55	1228	17.17	2617	11.18
4	Certain Infectious and Parasitic Diseases(A00-B99)	1752	10.78	810	11.32	2562	10.95
5	Diseases of the Digestive System(K00-K92)	2054	12.64	404	5.65	2458	10.50
6	Diseases of the Respiratory System(J00-J98)	1305	8.03	512	7.16	1817	7.76
7	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	947	5.83	579	8.09	1526	6.52
8	Other Major Groups	1895	11.66	939	13.13	2834	12.11
	<b>Total Medically Certified Deaths in the age group 45-54 Years</b>	<b>16253</b>	<b>100.00</b>	<b>7154</b>	<b>100.00</b>	<b>23407</b>	<b>100.00</b>
	Deaths in the age group 45-54 year as percentage to total Medically certified deaths		<b>16.78</b>		<b>13.36</b>		<b>15.56</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 17.80 per cent in the total medically certified deaths, accounting for 18.47 per cent and 16.61 per cent of total male and female medically certified deaths respectively. *‘Diseases of the Circulatory System’* have contributed to the maximum number (35.22 per cent) of total deaths in this age-group, followed by *Neoplasms (11.97 per cent)*, *‘Diseases of the Respiratory System (9.15 per cent)*, and *‘Endocrine, Nutritional and Metabolic Diseases(8.77 per cent)* and *‘Certain Infectious and Parasitic Diseases (8.70 per cent)*. In *Diseases of the Circulatory System deaths “Ischaemic Heart Diseases”* have taken the highest toll contributing around 36.31 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, Haemotopoietic and related Tissues, together* accounting for 43.34 per cent. *‘Diseases of the Respiratory System’* is responsible for 9.15 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 14.22 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**.

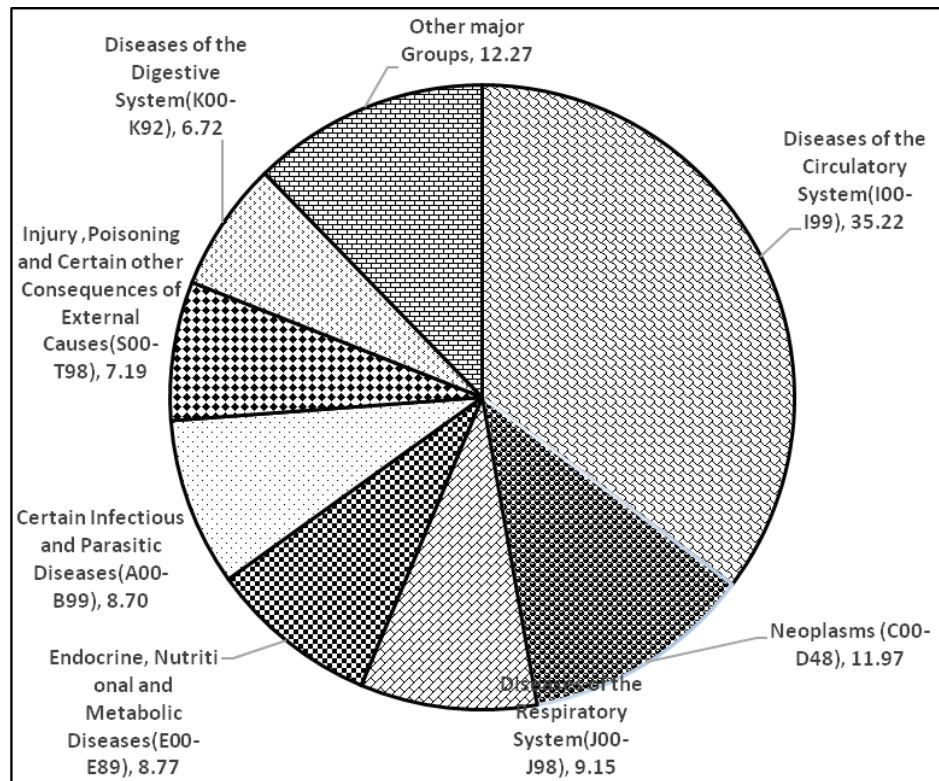
#### Statement -40

#### Distribution of Mortality among persons in the Age Group 55-64 years by Major Cause Groups -2018

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	6256	34.98	3177	35.72	9433	35.22
2	Neoplasms (C00-D48)	1896	10.60	1309	14.72	3205	11.97
3	Diseases of the Respiratory System(J00-J98)	1700	9.50	751	8.44	2451	9.15
4	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1415	7.91	935	10.51	2350	8.77
5	Certain Infectious and Parasitic Diseases(A00-B99)	1572	8.79	757	8.51	2329	8.70
6	Injury ,Poisoning and Certain other Consequences of External Causes(S00-T98)	1522	8.51	404	4.54	1926	7.19
7	Diseases of the Digestive System(K00-K92)	1412	7.89	389	4.37	1801	6.72
8	Other major Groups	2114	11.82	1172	13.18	3286	12.27
	<b>Total Medically Certified Deaths in the age group 55-64 Years</b>	<b>17887</b>	<b>100.00</b>	<b>8894</b>	<b>100.00</b>	<b>26781</b>	<b>100.00</b>
	Deaths in the age group 55-64 year as percentage to total Medically certified deaths		<b>18.47</b>		<b>16.61</b>		<b>17.80</b>

**Chart – 29**

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



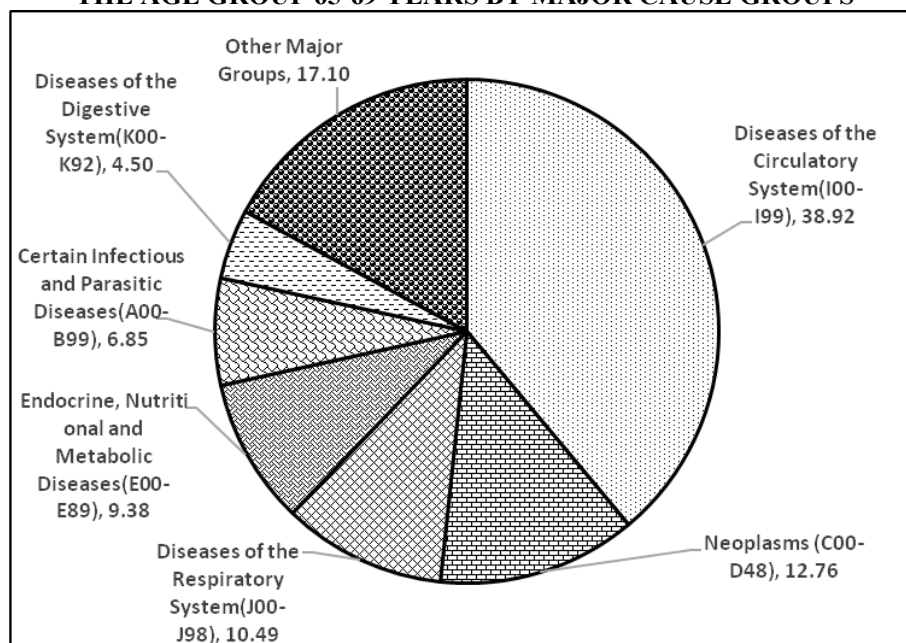
**4.9 Persons aged 65-69 years:** The share of this age group in total medically certified deaths is 10.49 per cent, constituting 10.53 per cent and 10.40 per cent of total male and female medically certified deaths respectively. In this age group, ***‘Diseases of the Circulatory System’*** alone constitute the highest number of deaths (38.92 per cent). ***‘Ischaemic Heart Diseases’*** constitute the highest share around 40.79 per cent of circulatory system deaths under this age group. The second leading cause group of death in this age group is ***‘Neoplasm’*** with the share of 12.76 per cent. Under this cause group ***‘Malignant Neoplasm of Digestive Organs’*** is the main cause alone contribute 34.92 per cent of the deaths. ***‘Diseases of the Respiratory System’*** is the third leading cause of death with 10.49 per cent of total deaths under this age group ***‘Other Lower Respiratory Disorders’*** and ***‘Asthama’*** are being the major constituents with the shares of 52.12 per cent and 12.04 per cent of this cause group respectively. ***‘Endocrine, Nutritional & Metabolic Diseases’*** rank 4<sup>th</sup> with 9.38 per cent of the total deaths. Under this cause group ***‘Diabetes Mellitus’*** alone contribute 93.92 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 - 2018**

Sl.No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	3990	39.10	2149	38.59	6139	38.92
3	Neoplasms (C00-D48)	1278	12.52	735	13.20	2013	12.76
2	Diseases of the Respiratory System(J00-J98)	1120	10.98	534	9.59	1654	10.49
4	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	838	8.21	642	11.53	1480	9.38
5	Certain Infectious and Parasitic Diseases(A00-B99)	719	7.05	362	6.50	1081	6.85
6	Diseases of the Digestive System(K00-K92)	518	5.08	191	3.43	709	4.50
7	Other Major Groups	1741	17.06	956	17.17	2697	17.10
	<b>Total Medically Certified Deaths in the age group 65-69 Years</b>	<b>10204</b>	<b>100.00</b>	<b>5569</b>	<b>100.00</b>	<b>15773</b>	<b>100.00</b>
	Deaths in the age group 65-69 years as percentage to total Medically certified deaths		<b>10.53</b>		<b>10.40</b>		<b>10.49</b>

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

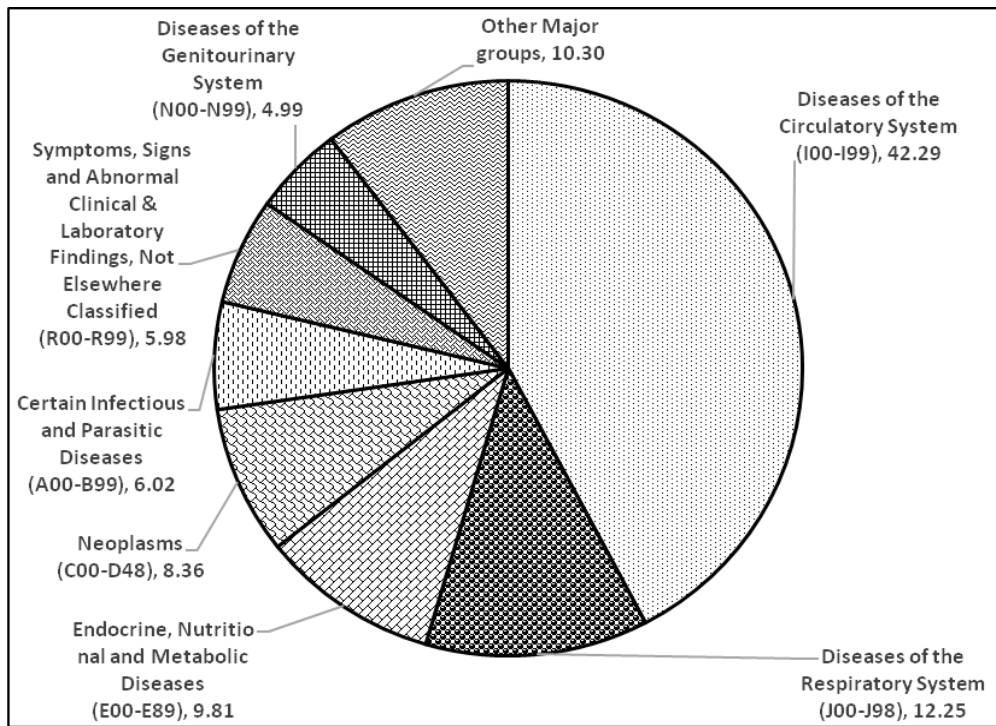


**4.10 Old aged Persons 70 years and above:** This age group, as expected, has reported the maximum incidence (25.39 per cent) of total medically certified deaths. As high as 22.91 per cent and 29.86 per cent of total male and female medically certified deaths respectively have been reported from this age group. In this age group *'Diseases of the Circulatory System'* alone contribute 42.29 per cent of deaths. *Ischaemic Heart Diseases* constitute maximum number (38.80 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 12.25 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 57.10 per cent and 17.98 per cent respectively. With the share of 9.81 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 94.83 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 - 2018**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System (I00-I99)	8980	40.46	7167	44.82	16147	42.29
2	Diseases of the Respiratory System (J00-J98)	3040	13.70	1638	10.24	4678	12.25
3	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	2052	9.24	1694	10.59	3746	9.81
4	Neoplasms (C00-D48)	1995	8.99	1198	7.49	3193	8.36
5	Certain Infectious and Parasitic Diseases(A00-B99)	1410	6.35	889	5.56	2299	6.02
6	Symptoms, Signs and Abnormal Clinical & Laboratory Findings, Not Elsewhere Classified (R00-R99)	1075	4.84	1208	7.56	2283	5.98
7	Diseases of the Genitourinary System (N00-N99)	1238	5.58	669	4.18	1907	4.99
8	Other Major groups	2407	10.84	1526	9.54	3933	10.30
	<b>Total Medically Certified Deaths in the age group 70 or above Years</b>	<b>22197</b>	<b>100.00</b>	<b>15989</b>	<b>100.00</b>	<b>38186</b>	<b>100.00</b>
	Deaths in the age group 70 or above years as percentage to total Medically certified deaths		<b>22.91</b>		<b>29.86</b>		<b>25.39</b>

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



**Statement - 43**  
**Distribution of Medically Certified Deaths by Sex and Major Cause**  
**Groups during - 2018**

Sl. No	Major Cause Group	Male	Female	Total	% to total Medically Certified Deaths
1	Certain Infectious and Parasitic Diseases(A00-B99)	8635	4707	13342	8.87
2	Neoplasms (C00-D48)	7992	5616	13608	9.05
3	Diseases of the Blood & Blood forming Organs and Certain disorders Involving the Immune Mechanism (D50-D89)	1551	1624	3175	2.11
4	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	5936	4269	10205	6.78
5	Mental and Behavioural Disorders (F01-F99)	86	16	102	0.07
6	Diseases of the Nervous System (G00-G98)	2286	1394	3680	2.45
7	Diseases of the Eye and Adnexa (H00-H59)	2	0	2	0.00
8	Diseases of the Ear and Mastoid Process (H60-H95)	2	0	2	0.00
9	Diseases of the Circulatory System (I00-I99)	28391	16454	44845	29.81
10	Diseases of the Respiratory System (J00-J98)	8545	4269	12814	8.52
11	Diseases of the Digestive System (K00-K92)	7788	1880	9668	6.43
12	Diseases of the Skin and Subcutaneous Tissue (L00-L98)	667	352	1019	0.68
13	Diseases of the Musculoskeletal System and Connective Tissue (M00-M99)	141	85	226	0.15
14	Diseases of the Genitourinary System (N00-N99)	3841	2074	5915	3.93
15	Pregnancy, Childbirth and the Puerperium (O00-O99)		306	306	0.20
16	Certain Conditions Originating in the Perinatal Period(P00-P96)	5793	3249	9042	6.01
17	Congenital Malformations Deformations & Chromosomal Abnormalities (Q00-Q99)	1491	961	2452	1.63
18	Symptoms, Signs and Abnormal Clinical & Laboratory findings, Not elsewhere Classified (R00-R99)	3121	2162	5283	3.51
19	Injury, Poisoning and Certain other Consequences of External Causes (S00-T98)	10599	4130	14729	9.79
	<b>Total</b>	<b>96867</b>	<b>53548</b>	<b>150415</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 2018**

**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	44	171	235	376	844	1365	1752	1572	719	1410	147	8635
		Female	28	120	201	379	496	582	810	757	362	889	83	4707
		<b>Total</b>	<b>72</b>	<b>291</b>	<b>436</b>	<b>755</b>	<b>1340</b>	<b>1947</b>	<b>2562</b>	<b>2329</b>	<b>1081</b>	<b>2299</b>	<b>230</b>	<b>13342</b>
2	NEOPLASMS (C00-D48)	Male	5	31	111	208	317	667	1389	1896	1278	1995	95	7992
		Female	4	22	64	102	231	633	1228	1309	735	1198	90	5616
		<b>Total</b>	<b>9</b>	<b>53</b>	<b>175</b>	<b>310</b>	<b>548</b>	<b>1300</b>	<b>2617</b>	<b>3205</b>	<b>2013</b>	<b>3193</b>	<b>185</b>	<b>13608</b>
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0	36	44	80	143	202	266	251	157	337	35	1551
		Female	0	28	60	154	178	175	252	228	141	391	17	1624
		<b>Total</b>	<b>0</b>	<b>64</b>	<b>104</b>	<b>234</b>	<b>321</b>	<b>377</b>	<b>518</b>	<b>479</b>	<b>298</b>	<b>728</b>	<b>52</b>	<b>3175</b>
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0	2	20	56	122	304	947	1415	838	2052	180	5936
		Female	0	2	22	53	70	177	579	935	642	1694	95	4269
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>42</b>	<b>109</b>	<b>192</b>	<b>481</b>	<b>1526</b>	<b>2350</b>	<b>1480</b>	<b>3746</b>	<b>275</b>	<b>10205</b>
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	0	17	18	18	14	6	8	5	86
		Female	0	0	0	3	0	4	2	1	1	4	1	16
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>17</b>	<b>22</b>	<b>20</b>	<b>15</b>	<b>7</b>	<b>12</b>	<b>6</b>	<b>102</b>
6	DISEASES OF THE NERVOUS SYSTEM (G00-G98)	Male	57	95	109	146	216	285	351	324	221	440	42	2286
		Female	45	103	112	114	106	140	145	192	110	308	19	1394
		<b>Total</b>	<b>102</b>	<b>198</b>	<b>221</b>	<b>260</b>	<b>322</b>	<b>425</b>	<b>496</b>	<b>516</b>	<b>331</b>	<b>748</b>	<b>61</b>	<b>3680</b>
7	DISEASES OF THE EYE AND ADNEXA (H00-H59)	Male	0	0	0	0	0	1	0	0	1	0	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>

**TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

**KARNATAKA**

SL. NO	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	1	0	0	1	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0
		<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>1</b>	<b>0</b>
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	1	6	19	241	1008	2379	4853	6256	3990	8980	658	28391
		Female	1	3	12	183	444	838	2111	3177	2149	7167	369	16454
		<b>Total</b>	<b>2</b>	<b>9</b>	<b>31</b>	<b>424</b>	<b>1452</b>	<b>3217</b>	<b>6964</b>	<b>9433</b>	<b>6139</b>	<b>16147</b>	<b>1027</b>	<b>44845</b>
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	1	30	74	202	295	615	1305	1700	1120	3040	163	8545
		Female	1	27	59	161	198	323	512	751	534	1638	65	4269
		<b>Total</b>	<b>2</b>	<b>57</b>	<b>133</b>	<b>363</b>	<b>493</b>	<b>938</b>	<b>1817</b>	<b>2451</b>	<b>1654</b>	<b>4678</b>	<b>228</b>	<b>12814</b>
11	DISEASES OF THE DIGESTIVE SYSTEM (K00-K92)	Male	0	9	42	196	885	1763	2054	1412	518	788	121	7788
		Female	0	13	18	117	143	234	404	389	191	348	23	1880
		<b>Total</b>	<b>0</b>	<b>22</b>	<b>60</b>	<b>313</b>	<b>1028</b>	<b>1997</b>	<b>2458</b>	<b>1801</b>	<b>709</b>	<b>1136</b>	<b>144</b>	<b>9668</b>
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	1	10	23	65	120	155	87	192	14	667
		Female	0	0	8	12	20	31	48	61	41	126	5	352
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>22</b>	<b>43</b>	<b>96</b>	<b>168</b>	<b>216</b>	<b>128</b>	<b>318</b>	<b>19</b>	<b>1019</b>
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0	0	1	2	7	10	28	35	20	37	1	141
		Female	0	0	1	2	5	5	15	19	14	22	2	85
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>12</b>	<b>15</b>	<b>43</b>	<b>54</b>	<b>34</b>	<b>59</b>	<b>3</b>	<b>226</b>
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0	2	19	67	153	339	589	872	462	1238	100	3841
		Female	0	2	21	69	117	140	291	437	296	669	32	2074
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>40</b>	<b>136</b>	<b>270</b>	<b>479</b>	<b>880</b>	<b>1309</b>	<b>758</b>	<b>1907</b>	<b>132</b>	<b>5915</b>

**TABLE 1: MEDICALLY CERTIFIED DEATHS BY AGE,SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

**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	0
		Female	0	0	0	118	163	25	0	0	0	0	0	0	306
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>118</b>	<b>163</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>306</b>
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	5793	0	0	0	0	0	0	0	0	0	0	5793	
		Female	3249	0	0	0	0	0	0	0	0	0	0	3249	
		<b>Total</b>	<b>9042</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>9042</b>
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES (Q00-Q99)	Male	1016	311	164	0	0	0	0	0	0	0	0	1491	
		Female	617	222	122	0	0	0	0	0	0	0	0	961	
		<b>Total</b>	<b>1633</b>	<b>533</b>	<b>286</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>2452</b>
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED(R00-R99)	Male	0	20	31	106	197	303	522	463	288	1075	116	3121	
		Female	0	9	28	66	77	91	186	234	182	1208	81	2162	
		<b>Total</b>	<b>0</b>	<b>29</b>	<b>59</b>	<b>172</b>	<b>274</b>	<b>394</b>	<b>708</b>	<b>697</b>	<b>470</b>	<b>2283</b>	<b>197</b>	<b>5283</b>	
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	0	146	265	1407	2165	1880	2058	1522	499	604	53	10599	
		Female	0	92	189	840	859	650	571	404	171	327	27	4130	
		<b>Total</b>	<b>0</b>	<b>238</b>	<b>454</b>	<b>2247</b>	<b>3024</b>	<b>2530</b>	<b>2629</b>	<b>1926</b>	<b>670</b>	<b>931</b>	<b>80</b>	<b>14729</b>	
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	0	146	265	1407	2165	1880	2058	1522	499	604	53	10599	
		Female	0	92	189	840	859	650	571	404	171	327	27	4130	
		<b>Total</b>	<b>0</b>	<b>238</b>	<b>454</b>	<b>2247</b>	<b>3024</b>	<b>2530</b>	<b>2629</b>	<b>1926</b>	<b>670</b>	<b>931</b>	<b>80</b>	<b>14729</b>	
	ALL CAUSES	MALE	<b>6917</b>	<b>859</b>	<b>1135</b>	<b>3097</b>	<b>6392</b>	<b>10196</b>	<b>16253</b>	<b>17887</b>	<b>10204</b>	<b>22197</b>	<b>1730</b>	<b>96867</b>	
		FEMALE	<b>3945</b>	<b>643</b>	<b>917</b>	<b>2373</b>	<b>3107</b>	<b>4048</b>	<b>7154</b>	<b>8894</b>	<b>5569</b>	<b>15989</b>	<b>909</b>	<b>53548</b>	
		<b>TOTAL</b>	<b>10862</b>	<b>1502</b>	<b>2052</b>	<b>5470</b>	<b>9499</b>	<b>14244</b>	<b>23407</b>	<b>26781</b>	<b>15773</b>	<b>38186</b>	<b>2639</b>	<b>150415</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018

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>	Male	44	171	235	376	844	1365	1752	1572	719	1410	147	8635	
		Female	28	120	201	379	496	582	810	757	362	889	83	4707	
		<b>Total</b>	<b>72</b>	<b>291</b>	<b>436</b>	<b>755</b>	<b>1340</b>	<b>1947</b>	<b>2562</b>	<b>2329</b>	<b>1081</b>	<b>2299</b>	<b>230</b>	<b>13342</b>	
<b>I</b>	<b>INTESTINAL INFECTIOUS DISEASES (A00-A09)</b>	Male	20	29	10	13	32	60	85	99	56	142	14	560	
		Female	16	27	15	26	40	25	58	74	53	132	14	480	
		<b>Total</b>	<b>36</b>	<b>56</b>	<b>25</b>	<b>39</b>	<b>72</b>	<b>85</b>	<b>143</b>	<b>173</b>	<b>109</b>	<b>274</b>	<b>28</b>	<b>1040</b>	
1	CHOLERA (A00)	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	
2	TYPHOID FEVER AND PARATYPHOID FEVERS (A01)	Male	0	0	0	0	0	0	2	7	2	0	0	11	
		Female	0	0	1	3	1	0	0	2	1	0	0	8	
3	FOOD POISONING (A02,A05)	Male	0	0	0	0	0	0	0	0	0	0	2	2	
		Female	0	0	0	1	0	0	0	0	0	0	0	1	
4	SHIGELLOSIS (A03)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	1	0	1	0	0	0	0	0	0	2	
5	AMOEBIASIS(A06)	Male	0	2	0	0	3	0	4	2	2	5	2	20	
		Female	0	0	0	1	1	1	2	2	1	5	1	14	
6	DIARRHOEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN(A09)	Male	20	27	3	13	28	59	79	90	52	135	12	518	
		Female	16	27	2	21	36	24	56	70	51	127	13	443	
7	OTHER INTESTINAL INFECTIOUS DISEASES(A04,A07-A08)	Male	0	0	7	0	1	0	0	0	0	0	0	8	
		Female	0	0	11	0	1	0	0	0	0	0	0	12	
<b>2</b>	<b>TUBERCULOSIS (A15-A19)</b>	Male	<b>2</b>	<b>25</b>	<b>34</b>	<b>135</b>	<b>414</b>	<b>678</b>	<b>765</b>	<b>662</b>	<b>303</b>	<b>446</b>	<b>56</b>	<b>3520</b>	
		Female	<b>0</b>	<b>4</b>	<b>17</b>	<b>145</b>	<b>196</b>	<b>228</b>	<b>280</b>	<b>205</b>	<b>98</b>	<b>181</b>	<b>23</b>	<b>1377</b>	
		<b>Total</b>	<b>2</b>	<b>29</b>	<b>51</b>	<b>280</b>	<b>610</b>	<b>906</b>	<b>1045</b>	<b>867</b>	<b>401</b>	<b>627</b>	<b>79</b>	<b>4897</b>	
1	RESPIRATORY TUBERCULOSIS(A15-A16)	Male	0	15	14	96	329	583	658	580	274	406	47	3002	
		Female	0	3	12	102	151	187	235	168	87	164	23	1132	

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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	TUBERCULOSIS OF NERVOUS SYSTEM(A17)	Male	2	8	19	29	57	55	73	47	13	24	8	335	
		Female	0	1	3	24	30	23	29	19	6	9	0	144	
3	TUBERCULOSIS OF OTHER ORGANS AND MILIARY TUBERCULOSIS(A18-A19)	Male	0	2	1	10	28	40	34	35	16	16	1	183	
		Female	0	0	2	19	15	18	16	18	5	8	0	101	
3	OTHER BACTERIAL DISEASES(A20-A49)	Male	1	57	76	104	225	403	653	646	300	706	62	3233	
		Female	3	43	60	116	149	197	338	379	185	530	34	2034	
		Total	4	100	136	220	374	600	991	1025	485	1236	96	5267	
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	1	3	3	5	0	12	
		Female	0	0	0	0	0	1	0	0	1	0	0	2	
3	NEONATAL TETANUS(A33)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	2	0	0	0	0	0	0	0	0	0	0	2	
4	OTHER TETANUS(A34-A35)	Male	0	2	1	0	3	4	7	7	3	4	0	31	
		Female	0	0	0	1	0	2	4	6	0	2	0	15	
5	DIPHTHERIA(A36)	Male	1	5	19	0	0	0	0	0	0	0	0	25	
		Female	1	4	19	0	0	0	0	0	0	0	0	24	
6	WHOOPING COUGH(A37)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
7	MENINGOCOCCAL INFECTION(A39)	Male	0	0	0	0	0	1	1	0	0	0	0	2	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
8	SEPTICAEMIA(A40-A41)	Male	0	49	56	96	204	384	621	620	291	694	61	3076	
		Female	0	37	39	111	144	188	325	370	181	520	34	1949	

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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	
9	ALL OTHER TYPES OF BACTERIAL DISEASES(A21-A28,A31-A32,A38,A42-A49)	Male	0	1	0	8	18	14	23	16	3	3	1	87	
		Female	0	2	2	4	5	6	9	3	3	8	0	42	
<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>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>11</b>	
		Female	0	0	0	0	1	1	0	0	0	0	0	2	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>13</b>	
1	SYPHILIS(A50-A53)	Male	0	0	0	0	0	1	2	2	1	0	0	6	
		Female	0	0	0	0	0	1	0	0	0	0	0	1	
2	OTHER TYPES OF INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION (A54-A64)	Male	0	0	0	0	0	1	0	0	0	4	0	5	
		Female	0	0	0	0	1	0	0	0	0	0	0	1	
<b>5</b>	<b>VIRAL DISEASES(A70-A74 &amp; A80-B34)</b>	<b>Male</b>	<b>21</b>	<b>56</b>	<b>107</b>	<b>101</b>	<b>137</b>	<b>163</b>	<b>195</b>	<b>134</b>	<b>52</b>	<b>100</b>	<b>9</b>	<b>1075</b>	
		Female	9	44	105	81	92	94	100	75	20	41	11	672	
		<b>Total</b>	<b>30</b>	<b>100</b>	<b>212</b>	<b>182</b>	<b>229</b>	<b>257</b>	<b>295</b>	<b>209</b>	<b>72</b>	<b>141</b>	<b>20</b>	<b>1747</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	3	4	9	4	10	6	7	1	3	0	47	
		Female	0	1	2	0	1	2	0	0	0	2	0	8	
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	2	15	19	13	9	10	27	8	5	8	1	117	
		Female	1	7	16	14	18	2	7	7	0	2	0	74	
5	DENGUE FEVER(A90)	Male	0	3	9	3	6	6	5	2	1	2	0	37	
		Female	0	3	11	3	6	9	6	4	2	1	0	45	
6	OTHER ARTHOPOD-BORNE VIRAL FEVERS AND VIRAL HAEMORRHAGIC FEVERS (A91-A94, A96-A99)	Male	8	34	67	54	75	69	77	62	30	71	4	551	
		Female	5	31	63	38	44	41	49	40	16	29	8	364	

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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	
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	6	0	3	0	0	0	0	0	0	0	0	9	
		Female	3	0	3	0	0	0	0	0	0	0	0	6	
9	ACUTE HEPATITIS(B16)	Male	0	0	0	2	4	5	18	17	5	5	0	56	
		Female	0	0	1	1	0	0	3	6	0	1	0	12	
10	OTHER VIRAL HEPATITIS(B15, B17-B19)	Male	0	0	3	19	17	17	15	14	6	4	0	95	
		Female	0	1	8	23	6	16	8	9	0	2	1	74	
11	HUMAN IMMUNODEFICIENCY VIRUS [HIV] DISEASE (B20-B24)	Male	0	0	0	0	20	44	43	23	4	7	4	145	
		Female	0	0	0	0	17	24	25	8	1	2	2	79	
12	ALL OTHER TYPES OF VIRAL DISEASES (A70-A74,A81,A87-A89,A95, B00-B02,B04,B06-B09 & B25-B34)	Male	5	1	2	1	2	2	4	1	0	0	0	18	
		Female	0	1	1	2	0	0	2	1	1	2	0	10	
<b>6</b>	<b>PROTOZOAL DISEASES(B50-B64)</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>10</b>	<b>4</b>	<b>1</b>	<b>9</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>44</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>16</b>	
		<b>Total</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>14</b>	<b>5</b>	<b>2</b>	<b>10</b>	<b>11</b>	<b>6</b>	<b>8</b>	<b>1</b>	<b>60</b>	
1	MALARIA(B50-B54)	Male	0	2	1	9	4	1	6	4	5	4	1	37	
		Female	0	0	0	4	1	1	1	5	1	3	0	16	
2	ALL OTHER TYPES OF PROTOZOAL DISEASES(B55-B64)	Male	0	0	0	1	0	0	3	2	0	1	0	7	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
<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>2</b>	<b>7</b>	<b>13</b>	<b>32</b>	<b>58</b>	<b>43</b>	<b>23</b>	<b>2</b>	<b>7</b>	<b>5</b>	<b>192</b>	
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>7</b>	<b>17</b>	<b>36</b>	<b>33</b>	<b>19</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>126</b>	
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>11</b>	<b>20</b>	<b>49</b>	<b>94</b>	<b>76</b>	<b>42</b>	<b>7</b>	<b>9</b>	<b>6</b>	<b>318</b>	
1	FILARIASIS(B74)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	1	0	0	0	0	0	1	



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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	
2	OTHER HELMINTHIASIS(B65-B73,B75,B77-B83)	Male	0	0	0	0	0	1	0	0	0	0	0	1	
		Female	0	0	0	0	0	0	1	1	0	1	0	3	
3	OTHER SPIROCHAETAL DISEASES AND RICKETTSIOSES(A65-A69 & A75-A79)	Male	0	0	4	1	0	5	0	2	0	2	0	14	
		Female	0	0	0	1	0	2	0	2	3	0	0	8	
4	ALL OTHER INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES(B35-B49,B65,B76,B85-B99)	Male	0	2	3	12	32	52	43	21	2	5	5	177	
		Female	0	2	4	6	17	33	32	16	2	1	1	114	
<b>II</b>	<b>NEOPLASMS (C00-D48)</b>	<b>Male</b>	<b>5</b>	<b>31</b>	<b>111</b>	<b>208</b>	<b>317</b>	<b>667</b>	<b>1389</b>	<b>1896</b>	<b>1278</b>	<b>1995</b>	<b>95</b>	<b>7992</b>	
		<b>Female</b>	<b>4</b>	<b>22</b>	<b>64</b>	<b>102</b>	<b>231</b>	<b>633</b>	<b>1228</b>	<b>1309</b>	<b>735</b>	<b>1198</b>	<b>90</b>	<b>5616</b>	
		<b>Total</b>	<b>9</b>	<b>53</b>	<b>175</b>	<b>310</b>	<b>548</b>	<b>1300</b>	<b>2617</b>	<b>3205</b>	<b>2013</b>	<b>3193</b>	<b>185</b>	<b>13608</b>	
8	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	3	17	91	189	232	93	131	15	771	
		Female	0	0	0	4	6	21	70	80	53	67	5	306	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>23</b>	<b>112</b>	<b>259</b>	<b>312</b>	<b>146</b>	<b>198</b>	<b>20</b>	<b>1077</b>	
1	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	3	17	91	189	232	93	131	15	771	
		Female	0	0	0	4	6	21	70	80	53	67	5	306	
9	MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS (C15-C26)	Male	0	0	0	9	53	194	502	646	532	708	37	2681	
		Female	0	0	0	6	52	109	233	354	171	310	17	1252	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>105</b>	<b>303</b>	<b>735</b>	<b>1000</b>	<b>703</b>	<b>1018</b>	<b>54</b>	<b>3933</b>	
1	MALIGNANT NEOPLASM OF OESOPHAGUS (C15)	Male	0	0	0	2	9	25	83	169	112	134	10	544	
		Female	0	0	0	1	7	17	44	72	32	67	1	241	
2	MALIGNANT NEOPLASM OF STOMACH (C16)	Male	0	0	0	1	6	33	136	122	118	138	6	560	
		Female	0	0	0	2	14	28	49	81	34	53	4	265	
3	MALIGNANT NEOPLASMS OF SMALL INTESTINE INCLUDING DUODENUM (C17)	Male	0	0	0	0	0	4	2	2	2	1	0	11	
		Female	0	0	0	0	0	2	1	1	4	1	0	9	
4	MALIGNANT NEOPLASM OF COLON (C18)	Male	0	0	0	4	15	22	48	57	50	72	1	269	
		Female	0	0	0	3	11	8	42	58	19	35	1	177	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018

STATE : KARNATAKA

SL NO	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
5	MALIGNANT NEOPLASMS OF RECTOSIGMOID JUNCTION,RECTUM,ANUS	Male	0	0	0	0	6	17	22	28	45	57	4	179	
	AND ANAL CANAL(C19-C21)	Female	0	0	0	0	7	9	25	27	19	37	1	125	
6	MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPATIC BILE DUCTS (C22)	Male	0	0	0	0	7	39	135	174	144	213	11	723	
		Female	0	0	0	0	6	16	40	62	41	66	8	239	
7	MALIGNANT NEOPLASM OF PANCREAS (C25)	Male	0	0	0	1	4	38	34	49	36	42	3	207	
		Female	0	0	0	0	5	23	17	24	11	20	0	100	
8	OTHER MALIGNANT NEOPLASM OF DIGESTIVE ORGANS (C23-C24,C26)	Male	0	0	0	1	6	16	42	45	25	51	2	188	
		Female	0	0	0	0	2	6	15	29	11	31	2	96	
<b>10</b>	<b>MALIGNANT NEOPLASMS OF RESPIRATORY &amp; INTRATHORACIC</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>19</b>	<b>108</b>	<b>217</b>	<b>363</b>	<b>249</b>	<b>368</b>	<b>16</b>	<b>1349</b>	
	<b>ORGANS (C30-C39)</b>	<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>11</b>	<b>50</b>	<b>112</b>	<b>124</b>	<b>64</b>	<b>134</b>	<b>9</b>	<b>508</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>30</b>	<b>158</b>	<b>329</b>	<b>487</b>	<b>313</b>	<b>502</b>	<b>25</b>	<b>1857</b>	
1	MALIGNANT NEOPLASM OF LARYNX (C32)	Male	0	0	0	0	1	7	20	38	33	56	1	156	
		Female	0	0	0	0	0	5	3	1	1	6	0	16	
2	MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG (C33-C34)	Male	0	0	0	9	18	100	192	316	213	309	15	1172	
		Female	0	0	0	4	10	41	103	114	59	120	9	460	
3	OTHER MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC	Male	0	0	0	0	0	1	5	9	3	3	0	21	
	ORGANS(C30-C31,C37-C39)	Female	0	0	0	0	1	4	6	9	4	8	0	32	
<b>11</b>	<b>MALIGNANT NEOPLASMS OF BONE,MESOTHELIAL AND SOFT</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>3</b>	<b>26</b>	<b>31</b>	<b>41</b>	<b>12</b>	<b>26</b>	<b>1</b>	<b>147</b>	
	<b>TISSUE,SKIN AND BREAST(C40-C50)</b>	<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>49</b>	<b>150</b>	<b>277</b>	<b>247</b>	<b>129</b>	<b>208</b>	<b>16</b>	<b>1085</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>52</b>	<b>176</b>	<b>308</b>	<b>288</b>	<b>141</b>	<b>234</b>	<b>17</b>	<b>1232</b>	
1	MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE (C40-C41)	Male	0	0	0	7	0	13	7	15	3	7	1	53	
		Female	0	0	0	5	3	13	2	13	2	7	0	45	
2	MALIGNANT MELANOMA OF SKIN (C43)	Male	0	0	0	0	1	0	0	3	0	0	0	4	
		Female	0	0	0	1	0	0	0	1	2	0	0	4	
3	OTHER MALIGNANT NEOPLASM OF SKIN (C44)	Male	0	0	0	0	0	2	2	3	0	4	0	11	
		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	0	2	11	22	20	9	15	0	79	
		Female	0	0	0	0	2	5	4	8	7	14	0	40	
5	MALIGNANT NEOPLASM OF BREAST (C50)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	3	44	131	271	225	118	185	16	993	
<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>18</b>	<b>83</b>	<b>123</b>	<b>103</b>	<b>288</b>	<b>5</b>	<b>622</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>127</b>	<b>297</b>	<b>257</b>	<b>163</b>	<b>220</b>	<b>13</b>	<b>1093</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>145</b>	<b>380</b>	<b>380</b>	<b>266</b>	<b>508</b>	<b>18</b>	<b>1715</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	0	6	58	123	106	59	87	5	444	
2	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED PARTS OF UTERUS (C54-C55)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	2	12	45	28	33	25	0	145	
3	MALIGNANT NEOPLASM OF OVARY (C56)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	8	50	109	107	59	84	7	424	
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	3	1	2	0	7	
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	2	6	1	2	6	0	17	
6	MALIGNANT NEOPLASM OF PROSTATE (C61)	Male	0	0	0	0	0	0	34	59	55	195	4	347	
		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	7	14	25	7	21	0	74	
		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 2018**

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	
8	MALIGNANT NEOPLASM OF BLADDER (C67)	Male	0	0	0	0	2	5	14	24	20	41	0	106	
		Female	0	0	0	0	0	0	5	2	3	10	0	20	
9	OTHER MALIGNANT NEOPLASM OF URINARY TRACT (C64-C66,C68)	Male	0	0	0	0	0	6	21	15	21	31	1	95	
		Female	0	0	0	0	0	4	9	10	6	6	1	36	
<b>13</b>	<b>MALIGNANT NEOPLASMS OF EYE,BRAIN AND OTHER PARTS OF</b>	<b>Male</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>11</b>	<b>14</b>	<b>19</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>80</b>	
	<b>CENTRAL NERVOUS SYSTEM (C69-C72)</b>	<b>Female</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>9</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>0</b>	<b>34</b>	
		<b>Total</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>3</b>	<b>9</b>	<b>17</b>	<b>23</b>	<b>23</b>	<b>14</b>	<b>18</b>	<b>0</b>	<b>114</b>	
1	MALIGNANT NEOPLASMS OF EYE & ADNEXA (C69)	Male	0	1	0	0	0	1	1	0	0	2	0	5	
		Female	0	0	0	0	0	0	0	0	1	0	0	1	
2	MALIGNANT NEOPLASMS OF MENINGES,BRAIN AND OTHER PARTS OF	Male	0	0	3	1	9	10	13	19	11	9	0	75	
	CENTRAL NERVOUS SYSTEM(C70-C72)	Female	0	1	2	2	0	6	9	4	2	7	0	33	
<b>14</b>	<b>MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>34</b>	<b>88</b>	<b>81</b>	<b>174</b>	<b>196</b>	<b>122</b>	<b>212</b>	<b>4</b>	<b>927</b>	
	<b>SITES(C73-C80 &amp; C97)</b>	<b>Female</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>17</b>	<b>30</b>	<b>81</b>	<b>133</b>	<b>115</b>	<b>82</b>	<b>133</b>	<b>7</b>	<b>603</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>51</b>	<b>118</b>	<b>162</b>	<b>307</b>	<b>311</b>	<b>204</b>	<b>345</b>	<b>11</b>	<b>1530</b>	
1	MALIGNANT NEOPLASMS OF OTHER ILL-DEFINED, SECONDARY,	Male	0	0	16	34	88	81	174	196	122	212	4	927	
	UNSPECIFIED AND MULTIPLE SITES(C73-C80 & C97)	Female	0	0	5	17	30	81	133	115	82	133	7	603	
<b>15</b>	<b>MALIGNANT NEOPLASMS OF LYMPHOID, HAEMATOPOIETIC AND</b>	<b>Male</b>	<b>5</b>	<b>30</b>	<b>91</b>	<b>144</b>	<b>123</b>	<b>135</b>	<b>171</b>	<b>267</b>	<b>152</b>	<b>241</b>	<b>17</b>	<b>1376</b>	
	<b>RELATED TISSUE(C81-C96)</b>	<b>Female</b>	<b>4</b>	<b>21</b>	<b>57</b>	<b>60</b>	<b>61</b>	<b>83</b>	<b>87</b>	<b>122</b>	<b>68</b>	<b>107</b>	<b>22</b>	<b>692</b>	
		<b>Total</b>	<b>9</b>	<b>51</b>	<b>148</b>	<b>204</b>	<b>184</b>	<b>218</b>	<b>258</b>	<b>389</b>	<b>220</b>	<b>348</b>	<b>39</b>	<b>2068</b>	
1	HODGKIN'S DISEASE(C81)	Male	0	0	0	6	2	7	7	12	8	11	0	53	
		Female	0	0	0	2	2	3	1	3	3	1	0	15	
2	NON - HODGKIN'S LYMPHOMA(C82-C85)	Male	0	0	4	18	34	50	58	70	32	67	0	333	
		Female	0	0	4	3	4	25	14	42	18	24	2	136	
3	MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS(C90)	Male	0	0	6	4	6	12	17	5	4	7	0	61	
		Female	0	0	2	1	2	5	4	4	0	1	0	19	

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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	LEUKAEMIA(C91-C95)	Male	5	23	65	93	75	60	81	127	70	120	2	721	
		Female	4	17	49	40	45	42	66	69	25	65	5	427	
5	OTHER MALIGNANT NEOPLASMS OF LYMPHOID,HAEMATOPOIETIC AND RELATED TISSUE (C88 & C96)	Male	0	7	16	23	6	6	8	53	38	36	15	208	
		Female	0	4	2	14	8	8	2	4	22	16	15	95	
<b>16</b>	<b>CARCINOMA IN SITU(D00-D09)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</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>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	
1	CARCINOMA IN SITU(D00-D09)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	1	0	0	0	0	0	0	1	
<b>17</b>	<b>BENIGN NEOPLASMS(D10-D36)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</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>3</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>9</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>14</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	1	0	0	0	1	
2	ALL OTHER BENIGN NEOPLASMS(D10-D24,D26-D36)	Male	0	0	0	0	1	1	0	1	1	1	0	5	
		Female	0	0	0	0	3	0	2	2	0	1	0	8	
<b>18</b>	<b>OTHER AND UNSPECIFIED NEOPLASM(D37-D48)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>8</b>	<b>3</b>	<b>9</b>	<b>0</b>	<b>34</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>8</b>	<b>3</b>	<b>2</b>	<b>11</b>	<b>1</b>	<b>33</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>16</b>	<b>11</b>	<b>5</b>	<b>20</b>	<b>1</b>	<b>67</b>	
1	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	1	1	2	2	8	8	3	9	0	34	
		Female	0	0	0	0	2	6	8	3	2	11	1	33	
<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>36</b>	<b>44</b>	<b>80</b>	<b>143</b>	<b>202</b>	<b>266</b>	<b>251</b>	<b>157</b>	<b>337</b>	<b>35</b>	<b>1551</b>	
		<b>Female</b>	<b>0</b>	<b>28</b>	<b>60</b>	<b>154</b>	<b>178</b>	<b>175</b>	<b>252</b>	<b>228</b>	<b>141</b>	<b>391</b>	<b>17</b>	<b>1624</b>	
		<b>Total</b>	<b>0</b>	<b>64</b>	<b>104</b>	<b>234</b>	<b>321</b>	<b>377</b>	<b>518</b>	<b>479</b>	<b>298</b>	<b>728</b>	<b>52</b>	<b>3175</b>	

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

STATE : KARNATAKA

SL NO	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<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>36</b>	<b>44</b>	<b>80</b>	<b>143</b>	<b>202</b>	<b>266</b>	<b>251</b>	<b>157</b>	<b>337</b>	<b>35</b>	<b>1551</b>
		<b>Female</b>	<b>0</b>	<b>28</b>	<b>60</b>	<b>154</b>	<b>178</b>	<b>175</b>	<b>252</b>	<b>228</b>	<b>141</b>	<b>391</b>	<b>17</b>	<b>1624</b>
		<b>Total</b>	<b>0</b>	<b>64</b>	<b>104</b>	<b>234</b>	<b>321</b>	<b>377</b>	<b>518</b>	<b>479</b>	<b>298</b>	<b>728</b>	<b>52</b>	<b>3175</b>
1	THALASSAEMIA(D56)	Male	0	0	6	0	0	0	0	0	0	0	0	6
		Female	0	2	6	2	0	0	0	0	0	0	0	10
2	OTHER ANAEMIAS(D50-D55,D57-D64)	Male	0	26	27	68	130	176	226	225	128	316	34	1356
		Female	0	19	46	129	147	152	209	211	131	371	17	1432
3	ALL OTHER DISEASES OF BLOOD & BLOOD FORMING ORGANS (D65-D77)	Male	0	10	10	11	13	25	38	26	28	20	1	182
		Female	0	7	8	23	31	21	40	13	10	18	0	171
4	CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D80-D89)	Male	0	0	1	1	0	1	2	0	1	1	0	7
		Female	0	0	0	0	0	2	3	4	0	2	0	11
<b>IV</b>	<b>ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>20</b>	<b>56</b>	<b>122</b>	<b>304</b>	<b>947</b>	<b>1415</b>	<b>838</b>	<b>2052</b>	<b>180</b>	<b>5936</b>
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>22</b>	<b>53</b>	<b>70</b>	<b>177</b>	<b>579</b>	<b>935</b>	<b>642</b>	<b>1694</b>	<b>95</b>	<b>4269</b>
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>42</b>	<b>109</b>	<b>192</b>	<b>481</b>	<b>1526</b>	<b>2350</b>	<b>1480</b>	<b>3746</b>	<b>275</b>	<b>10205</b>
<b>20</b>	<b>MALNUTRITION(E40-E46)</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>7</b>	<b>2</b>	<b>27</b>
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>15</b>
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>9</b>	<b>2</b>	<b>42</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	2	0	1	3	1	2	2	1	6	2	20
		Female	0	2	0	1	0	1	3	1	0	2	0	10
3	OTHER PROTEIN-ENERGY MALNUTRITION(E42-E46)	Male	0	0	0	0	0	3	3	0	0	1	0	7
		Female	0	0	0	0	0	1	2	2	0	0	0	5
<b>21</b>	<b>ENDOCRINE, OTHER NUTRITIONAL AND METABOLIC DISEASES(E00-E34 &amp; E50-E89)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>55</b>	<b>119</b>	<b>300</b>	<b>942</b>	<b>1413</b>	<b>837</b>	<b>2045</b>	<b>178</b>	<b>5909</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>52</b>	<b>70</b>	<b>175</b>	<b>574</b>	<b>932</b>	<b>642</b>	<b>1692</b>	<b>95</b>	<b>4254</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>107</b>	<b>189</b>	<b>475</b>	<b>1516</b>	<b>2345</b>	<b>1479</b>	<b>3737</b>	<b>273</b>	<b>10163</b>

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

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	1	2	1	2	3	8	6	13	2	38	
		Female	0	0	0	2	3	14	22	21	14	21	0	97	
2	DIABETES MELLITUS(E10-E14)	Male	0	0	15	44	101	278	892	1338	790	1948	168	5574	
		Female	0	0	20	49	63	153	534	873	599	1596	95	3982	
3	ALL OTHER NUTRITIONAL DEFICIENCIES(E50-E64)	Male	0	0	0	1	4	2	3	2	1	4	0	17	
		Female	0	0	0	0	0	0	2	1	0	3	0	6	
4	ALL OTHER ENDOCRINE AND METABOLIC DISEASES(E15-E34 & E65-E89)	Male	0	0	4	8	13	18	44	65	40	80	8	280	
		Female	0	0	2	1	4	8	16	37	29	72	0	169	
V	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	0	17	18	18	14	6	8	5	86	
		Female	0	0	0	3	0	4	2	1	1	4	1	16	
		Total	0	0	0	3	17	22	20	15	7	12	6	102	
22	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	0	17	18	18	14	6	8	5	86	
		Female	0	0	0	3	0	4	2	1	1	4	1	16	
		Total	0	0	0	3	17	22	20	15	7	12	6	102	
1	MENTAL AND BEHAVIOURAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE(F10-F19)	Male	0	0	0	0	14	11	9	11	4	3	5	57	
		Female	0	0	0	1	0	1	0	1	0	0	1	4	
2	SCHIZOPHRENIA, SCHIZOTYPAL & DELUSIONAL DISORDERS(F20-F29)	Male	0	0	0	0	2	4	9	2	2	5	0	24	
		Female	0	0	0	1	0	2	2	0	1	3	0	9	
3	ALL OTHER MENTAL BEHAVIOURAL DISORDERS(F01-F09,F30-F99)	Male	0	0	0	0	1	3	0	1	0	0	0	5	
		Female	0	0	0	1	0	1	0	0	0	1	0	3	
VI	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	57	95	109	146	216	285	351	324	221	440	42	2286	
		Female	45	103	112	114	106	140	145	192	110	308	19	1394	
		Total	102	198	221	260	322	425	496	516	331	748	61	3680	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018

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 NERVOUS SYTEM(G00-G09)</b>	<b>Male</b>	<b>51</b>	<b>51</b>	<b>50</b>	<b>57</b>	<b>78</b>	<b>104</b>	<b>105</b>	<b>82</b>	<b>39</b>	<b>55</b>	<b>13</b>	<b>685</b>	
		<b>Female</b>	<b>39</b>	<b>61</b>	<b>48</b>	<b>47</b>	<b>59</b>	<b>44</b>	<b>50</b>	<b>51</b>	<b>33</b>	<b>51</b>	<b>2</b>	<b>485</b>	
		<b>Total</b>	<b>90</b>	<b>112</b>	<b>98</b>	<b>104</b>	<b>137</b>	<b>148</b>	<b>155</b>	<b>133</b>	<b>72</b>	<b>106</b>	<b>15</b>	<b>1170</b>	
1	MENINGITIS(G00 & G03)	Male	43	27	24	33	32	55	58	40	15	17	7	351	
		Female	29	35	19	19	28	20	26	26	11	25	0	238	
2	ENCEPHALITIS,MYELITIS AND ENCEPHALOMYELITIS(G04)	Male	8	23	26	16	32	41	41	39	23	36	6	291	
		Female	10	26	29	19	22	17	21	24	20	23	2	213	
3	OTHER INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM(G06,G08-G09)	Male	0	1	0	8	14	8	6	3	1	2	0	43	
		Female	0	0	0	9	9	7	3	1	2	3	0	34	
<b>24</b>	<b>OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G98)</b>	<b>Male</b>	<b>6</b>	<b>44</b>	<b>59</b>	<b>89</b>	<b>138</b>	<b>181</b>	<b>246</b>	<b>242</b>	<b>182</b>	<b>385</b>	<b>29</b>	<b>1601</b>	
		<b>Female</b>	<b>6</b>	<b>42</b>	<b>64</b>	<b>67</b>	<b>47</b>	<b>96</b>	<b>95</b>	<b>141</b>	<b>77</b>	<b>257</b>	<b>17</b>	<b>909</b>	
		<b>Total</b>	<b>12</b>	<b>86</b>	<b>123</b>	<b>156</b>	<b>185</b>	<b>277</b>	<b>341</b>	<b>383</b>	<b>259</b>	<b>642</b>	<b>46</b>	<b>2510</b>	
1	ALZHEIMER'S DISEASE(G30)	Male	0	0	0	0	0	0	0	1	2	11	0	14	
		Female	0	0	0	0	0	0	0	2	1	6	0	9	
2	EPILEPSY(G40-G41)	Male	0	18	20	27	44	57	61	32	31	16	3	309	
		Female	0	30	27	25	17	21	22	24	19	30	5	220	
3	ALL OTHER DISEASES OF THE NERVOUS SYSTEM (G10-G25,G31,G35-G37,G43-G98)	Male	6	26	39	62	94	124	185	209	149	358	26	1278	
		Female	6	12	37	42	30	75	73	115	57	221	12	680	
<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>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</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>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>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>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	
1	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	0	0	1	0	0	1	0	0	2	
		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	
<b>VIII</b>	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	1	0	0	1	0	2	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	0	0	0	0	0	0	1	0	0	1	0	2	
<b>26</b>	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	1	0	0	1	0	2	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	0	0	0	0	0	0	1	0	0	1	0	2	
1	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	0	0	0	1	0	0	1	0	2	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
<b>IX</b>	DISEASES OF THE CIRCULATORY SYSTEM(100-199)	Male	1	6	19	241	1008	2379	4853	6256	3990	8980	658	28391	
		Female	1	3	12	183	444	838	2111	3177	2149	7167	369	16454	
		Total	2	9	31	424	1452	3217	6964	9433	6139	16147	1027	44845	
<b>27</b>	ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES(100-109)	Male	1	6	19	91	58	84	102	62	45	59	5	532	
		Female	1	3	12	69	52	107	132	127	39	60	5	607	
		Total	2	9	31	160	110	191	234	189	84	119	10	1139	
1	ACUTE RHEUMATIC FEVER(100-102)	Male	0	3	7	10	12	7	4	0	0	2	1	46	
		Female	1	3	6	7	6	3	0	7	2	2	0	37	
2	CHRONIC RHEUMATIC HEART DISEASES(105-109)	Male	1	3	12	81	46	77	98	62	45	57	4	486	
		Female	0	0	6	62	46	104	132	120	37	58	5	570	
<b>28</b>	HYPERTENSIVE DISEASES(110-115)	Male	0	0	0	0	123	434	828	1180	811	1830	108	5314	
		Female	0	0	0	0	36	109	389	726	446	1642	62	3410	
		Total	0	0	0	0	159	543	1217	1906	1257	3472	170	8724	
1	HYPERTENSIVE HEART DISEASES(111)	Male	0	0	0	0	0	4	2	7	7	10	0	30	
		Female	0	0	0	0	1	0	0	5	0	5	0	11	
2	ALL OTHER HYPERTENSIVE DISEASES(110,112-115)	Male	0	0	0	0	123	430	826	1173	804	1820	108	5284	
		Female	0	0	0	0	35	109	389	721	446	1637	62	3399	

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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>29</b>	<b>ISCHAEMIC HEART DISEASES(120-125)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>312</b>	<b>748</b>	<b>1781</b>	<b>2340</b>	<b>1626</b>	<b>3516</b>	<b>258</b>	<b>10581</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>108</b>	<b>220</b>	<b>728</b>	<b>1085</b>	<b>878</b>	<b>2750</b>	<b>147</b>	<b>5916</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>420</b>	<b>968</b>	<b>2509</b>	<b>3425</b>	<b>2504</b>	<b>6266</b>	<b>405</b>	<b>16497</b>	
1	ACUTE MYOCARDIAL INFARCTION(121-122)	Male	0	0	0	0	207	493	1084	1214	779	1597	149	5523	
		Female	0	0	0	0	57	122	358	595	459	1361	98	3050	
2	ALL OTHER ISCHAEMIC HEART DISEASES(120& 123-125)	Male	0	0	0	0	105	255	697	1126	847	1919	109	5058	
		Female	0	0	0	0	51	98	370	490	419	1389	49	2866	
<b>30</b>	<b>DISEASES OF PULMONARY CIRCULATION AND OTHER FORMS OF HEART DISEASE(126-151)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>371</b>	<b>659</b>	<b>1228</b>	<b>1328</b>	<b>740</b>	<b>1805</b>	<b>188</b>	<b>6469</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>114</b>	<b>161</b>	<b>253</b>	<b>498</b>	<b>708</b>	<b>449</b>	<b>1449</b>	<b>121</b>	<b>3753</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>264</b>	<b>532</b>	<b>912</b>	<b>1726</b>	<b>2036</b>	<b>1189</b>	<b>3254</b>	<b>309</b>	<b>10222</b>	
1	PULMONARY HEART DISEASES AND DISEASES OF PULMONARY CIRCULATION(126-128)	Male	0	0	0	0	24	49	68	73	39	119	8	380	
		Female	0	0	0	0	14	9	32	55	34	86	7	237	
2	OTHER FORMS OF HEART DISEASES(130-151)	Male	0	0	0	150	347	610	1160	1255	701	1686	180	6089	
		Female	0	0	0	114	147	244	466	653	415	1363	114	3516	
<b>31</b>	<b>CEREBROVASCULAR DISEASES(160-169)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>136</b>	<b>421</b>	<b>864</b>	<b>1242</b>	<b>695</b>	<b>1677</b>	<b>91</b>	<b>5126</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>131</b>	<b>322</b>	<b>491</b>	<b>312</b>	<b>1187</b>	<b>29</b>	<b>2546</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>210</b>	<b>552</b>	<b>1186</b>	<b>1733</b>	<b>1007</b>	<b>2864</b>	<b>120</b>	<b>7672</b>	
1	CEREBROVASCULAR DISEASES(160-169)	Male	0	0	0	0	136	421	864	1242	695	1677	91	5126	
		Female	0	0	0	0	74	131	322	491	312	1187	29	2546	
<b>32</b>	<b>OTHER DISEASES OF THE CIRCULATORY SYSTEM(170-199)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>33</b>	<b>50</b>	<b>104</b>	<b>73</b>	<b>93</b>	<b>8</b>	<b>369</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>18</b>	<b>42</b>	<b>40</b>	<b>25</b>	<b>79</b>	<b>5</b>	<b>222</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>51</b>	<b>92</b>	<b>144</b>	<b>98</b>	<b>172</b>	<b>13</b>	<b>591</b>	
1	ATHEROSCLEROSIS(170)	Male	0	0	0	0	0	3	10	27	10	15	0	65	
		Female	0	0	0	0	1	2	8	4	4	13	0	32	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018

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	5	7	12	11	9	11	4	59	
		Female	0	0	0	0	0	5	12	0	4	4	0	25	
3	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES(I71-I73 & I77-I78)	Male	0	0	0	0	0	2	6	10	20	16	0	54	
		Female	0	0	0	0	1	0	1	9	2	5	0	18	
4	PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS(I80-I82)	Male	0	0	0	0	1	5	5	15	13	8	1	48	
		Female	0	0	0	0	3	2	9	5	4	19	0	42	
5	ALL OTHER DISEASES OF THE CIRCULATORY SYSTEM(I83-I99)	Male	0	0	0	0	2	16	17	41	21	43	3	143	
		Female	0	0	0	0	8	9	12	22	11	38	5	105	
<b>X</b>	<b>DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)</b>	<b>Male</b>	<b>1</b>	<b>30</b>	<b>74</b>	<b>202</b>	<b>295</b>	<b>615</b>	<b>1305</b>	<b>1700</b>	<b>1120</b>	<b>3040</b>	<b>163</b>	<b>8545</b>	
		<b>Female</b>	<b>1</b>	<b>27</b>	<b>59</b>	<b>161</b>	<b>198</b>	<b>323</b>	<b>512</b>	<b>751</b>	<b>534</b>	<b>1638</b>	<b>65</b>	<b>4269</b>	
		<b>Total</b>	<b>2</b>	<b>57</b>	<b>133</b>	<b>363</b>	<b>493</b>	<b>938</b>	<b>1817</b>	<b>2451</b>	<b>1654</b>	<b>4678</b>	<b>228</b>	<b>12814</b>	
<b>33</b>	<b>DISEASES OF THE UPPER RESPIRATORY TRACT</b>	<b>Male</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>9</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>33</b>	
	<i>(J00-J06 &amp; J30-J39)</i>	<b>Female</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>25</b>	
		<b>Total</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>14</b>	<b>4</b>	<b>12</b>	<b>0</b>	<b>58</b>	
1	ACUTE PHARYNGITIS AND ACUTE TONSILLITIS(J02-J03)	Male	0	2	0	0	3	0	0	0	0	1	0	6	
		Female	0	0	0	0	2	2	0	1	0	4	0	9	
2	ACUTE LARYNGITIS AND TRACHEITIS(J04)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
3	OTHER ACUTE UPPER RESPIRATORY INFECTIONS(J00-J01 & J05-J06)	Male	1	2	0	0	0	0	1	0	0	0	0	4	
		Female	1	0	0	0	0	0	0	0	0	0	0	1	
4	ALL OTHER DISEASES OF UPPER RESPIRATORY TRACT(J30-J39)	Male	0	0	0	1	0	4	3	9	2	4	0	23	
		Female	0	1	0	0	1	1	3	4	2	3	0	15	
<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>35</b>	<b>66</b>	<b>192</b>	<b>679</b>	<b>1106</b>	<b>752</b>	<b>2303</b>	<b>98</b>	<b>5231</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>49</b>	<b>93</b>	<b>210</b>	<b>416</b>	<b>332</b>	<b>1139</b>	<b>40</b>	<b>2301</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>115</b>	<b>285</b>	<b>889</b>	<b>1522</b>	<b>1084</b>	<b>3442</b>	<b>138</b>	<b>7532</b>	

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

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	0	1	4	0	0	1	1	7	
		Female	0	0	0	0	0	1	0	1	0	0	1	3	
2	BRONCHITIS, CHRONIC AND UNSPECIFIED EMPHYSEMA(J40-J43)	Male	0	0	0	3	0	2	17	11	19	40	0	92	
		Female	0	0	0	0	1	3	10	6	4	21	0	45	
3	ASTHMA(J45-J46)	Male	0	0	0	2	16	32	124	147	106	327	20	774	
		Female	0	0	0	12	21	36	63	106	93	382	16	729	
4	OTHER LOWER RESPIRATORY DISORDERS(J22,J44 & J47)	Male	0	0	0	30	50	157	534	948	627	1935	77	4358	
		Female	0	0	0	10	27	53	137	303	235	736	23	1524	
<b>35</b>	<b>OTHER DISEASES OF THE RESPIRATORY SYSTEM(J10-J18,J60-J98)</b>	<b>Male</b>	<b>0</b>	<b>26</b>	<b>74</b>	<b>166</b>	<b>226</b>	<b>419</b>	<b>622</b>	<b>585</b>	<b>366</b>	<b>732</b>	<b>65</b>	<b>3281</b>	
		<b>Female</b>	<b>0</b>	<b>26</b>	<b>59</b>	<b>139</b>	<b>146</b>	<b>227</b>	<b>299</b>	<b>330</b>	<b>200</b>	<b>492</b>	<b>25</b>	<b>1943</b>	
		<b>Total</b>	<b>0</b>	<b>52</b>	<b>133</b>	<b>305</b>	<b>372</b>	<b>646</b>	<b>921</b>	<b>915</b>	<b>566</b>	<b>1224</b>	<b>90</b>	<b>5224</b>	
1	INFLUENZA(J10-J11)	Male	0	1	0	0	0	4	6	6	1	2	0	20	
		Female	0	0	0	0	3	1	4	4	3	4	0	19	
2	PNEUMONIA(J12-J18)	Male	0	25	39	89	75	120	180	186	122	192	16	1044	
		Female	0	26	26	74	63	89	92	129	78	142	4	723	
3	PLEURISY(J90)	Male	0	0	0	1	3	10	20	17	11	21	1	84	
		Female	0	0	0	1	1	3	8	2	8	22	0	45	
4	ALL OTHER DISEASES OF THE RESPIRATORY SYSTEM(J60-J86,J92-J98)	Male	0	0	35	76	148	285	416	376	232	517	48	2133	
		Female	0	0	33	64	79	134	195	195	111	324	21	1156	
<b>XI</b>	<b>DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)</b>	<b>Male</b>	<b>0</b>	<b>9</b>	<b>42</b>	<b>196</b>	<b>885</b>	<b>1763</b>	<b>2054</b>	<b>1412</b>	<b>518</b>	<b>788</b>	<b>121</b>	<b>7788</b>	
		<b>Female</b>	<b>0</b>	<b>13</b>	<b>18</b>	<b>117</b>	<b>143</b>	<b>234</b>	<b>404</b>	<b>389</b>	<b>191</b>	<b>348</b>	<b>23</b>	<b>1880</b>	
		<b>Total</b>	<b>0</b>	<b>22</b>	<b>60</b>	<b>313</b>	<b>1028</b>	<b>1997</b>	<b>2458</b>	<b>1801</b>	<b>709</b>	<b>1136</b>	<b>144</b>	<b>9668</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>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>20</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>26</b>	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018

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	1	1	2	4	6	4	1	1	20	
		Female	0	0	0	2	0	0	1	2	1	0	0	6	
<b>37</b>	<b>DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM(K20-K92)</b>	<b>Male</b>	<b>0</b>	<b>9</b>	<b>42</b>	<b>195</b>	<b>884</b>	<b>1761</b>	<b>2050</b>	<b>1406</b>	<b>514</b>	<b>787</b>	<b>120</b>	<b>7768</b>	
		Female	0	13	18	115	143	234	403	387	190	348	23	1874	
		<b>Total</b>	<b>0</b>	<b>22</b>	<b>60</b>	<b>310</b>	<b>1027</b>	<b>1995</b>	<b>2453</b>	<b>1793</b>	<b>704</b>	<b>1135</b>	<b>143</b>	<b>9642</b>	
1	GASTRIC AND DUODENAL ULCER(K25-K27)	Male	0	0	0	1	4	11	7	12	11	16	2	64	
		Female	0	0	0	2	0	2	2	0	2	8	1	17	
2	GASTRITIS AND DUODENITIS (K29)	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	
3	DISEASES OF APPENDIX(K35-K38)	Male	0	0	0	6	12	20	17	17	12	18	0	102	
		Female	0	0	0	2	1	4	8	8	5	6	0	34	
4	HERNIA(K40-K46)	Male	0	0	0	2	2	5	10	7	4	15	0	45	
		Female	0	0	1	1	0	1	1	5	4	7	0	20	
5	PARALYTIC ILEUS AND INTESTINAL OBSTRUCTION WITHOUT HERNIA(K56)	Male	0	0	1	2	8	15	13	21	10	16	0	86	
		Female	0	0	0	1	1	5	6	8	9	14	0	44	
6	PERITONITIS(K65)	Male	0	0	7	31	40	117	120	119	31	41	31	537	
		Female	0	0	4	17	15	23	27	24	22	13	6	151	
7	DISEASES OF THE LIVER(K70-K76)	Male	0	9	24	108	624	1327	1586	1019	373	515	71	5656	
		Female	0	13	11	73	107	149	285	266	106	220	14	1244	
8	CHOLELITHIASIS AND CHOLECYSTITIS(K80-K81)	Male	0	0	2	0	1	7	14	11	8	16	2	61	
		Female	0	0	0	4	1	1	8	9	2	11	0	36	
9	DISORDERS OF THE PANCREAS(K85-K86)	Male	0	0	0	30	138	143	119	65	19	33	4	551	
		Female	0	0	0	3	6	16	23	20	20	12	1	101	

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STATE : KARNATAKA

SL NO	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
10	ALL OTHER DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM	Male	0	0	8	15	55	116	164	134	46	117	10	665
	(K20-K22,K28,K30-K35,K50-K55,K57-K63,K66,K82-K83 & K90-K92)	Female	0	0	2	12	12	33	43	47	20	57	1	227
<b>XII</b>	<b>DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>10</b>	<b>23</b>	<b>65</b>	<b>120</b>	<b>155</b>	<b>87</b>	<b>192</b>	<b>14</b>	<b>667</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>12</b>	<b>20</b>	<b>31</b>	<b>48</b>	<b>61</b>	<b>41</b>	<b>126</b>	<b>5</b>	<b>352</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>22</b>	<b>43</b>	<b>96</b>	<b>168</b>	<b>216</b>	<b>128</b>	<b>318</b>	<b>19</b>	<b>1019</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>1</b>	<b>10</b>	<b>23</b>	<b>65</b>	<b>120</b>	<b>155</b>	<b>87</b>	<b>192</b>	<b>14</b>	<b>667</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>12</b>	<b>20</b>	<b>31</b>	<b>48</b>	<b>61</b>	<b>41</b>	<b>126</b>	<b>5</b>	<b>352</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>22</b>	<b>43</b>	<b>96</b>	<b>168</b>	<b>216</b>	<b>128</b>	<b>318</b>	<b>19</b>	<b>1019</b>
1	INFECTIONS OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L08)	Male	0	0	1	7	17	58	109	143	82	167	13	597
		Female	0	0	3	5	11	17	40	53	34	113	5	281
2	ALL OTHER DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L10-L98)	Male	0	0	0	3	6	7	11	12	5	25	1	70
		Female	0	0	5	7	9	14	8	8	7	13	0	71
<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>7</b>	<b>10</b>	<b>28</b>	<b>35</b>	<b>20</b>	<b>37</b>	<b>1</b>	<b>141</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>15</b>	<b>19</b>	<b>14</b>	<b>22</b>	<b>2</b>	<b>85</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>12</b>	<b>15</b>	<b>43</b>	<b>54</b>	<b>34</b>	<b>59</b>	<b>3</b>	<b>226</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>7</b>	<b>10</b>	<b>28</b>	<b>35</b>	<b>20</b>	<b>37</b>	<b>1</b>	<b>141</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>15</b>	<b>19</b>	<b>14</b>	<b>22</b>	<b>2</b>	<b>85</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>12</b>	<b>15</b>	<b>43</b>	<b>54</b>	<b>34</b>	<b>59</b>	<b>3</b>	<b>226</b>
1	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES(M05-M13)	Male	0	0	0	0	0	0	5	8	4	6	0	23
		Female	0	0	0	0	0	0	3	13	4	6	0	26
2	OSTEOMYELITIS(M86)	Male	0	0	0	0	0	0	2	1	0	0	0	3
		Female	0	0	0	0	1	0	0	1	1	2	0	5
3	ALL OTHER DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M02,M15-M85,M87-M99)	Male	0	0	1	2	7	10	21	26	16	31	1	115
		Female	0	0	1	2	4	5	12	5	9	14	2	54

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

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	2	19	67	153	339	589	872	462	1238	100	3841	
		Female	0	2	21	69	117	140	291	437	296	669	32	2074	
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>40</b>	<b>136</b>	<b>270</b>	<b>479</b>	<b>880</b>	<b>1309</b>	<b>758</b>	<b>1907</b>	<b>132</b>	<b>5915</b>	
<b>40</b>	<b>DISEASES OF URINARY SYSTEM(N00-N39)</b>	Male	0	2	19	67	151	333	579	865	451	1222	99	3788	
		Female	0	2	21	68	114	139	289	435	293	661	32	2054	
		<b>Total</b>	<b>0</b>	<b>4</b>	<b>40</b>	<b>135</b>	<b>265</b>	<b>472</b>	<b>868</b>	<b>1300</b>	<b>744</b>	<b>1883</b>	<b>131</b>	<b>5842</b>	
1	GLOMERULAR DISEASES(INCLUDING NEPHRITIC SYNDROME)(N00-N07)	Male	0	2	1	2	2	2	0	3	1	3	0	16	
		Female	0	1	2	2	4	1	2	2	0	1	0	15	
2	RENAL TUBULO-INTERSTITIAL DISEASES(N10-N15)	Male	0	0	0	1	2	10	7	19	6	14	1	60	
		Female	0	1	0	4	6	4	12	7	12	10	0	56	
3	RENAL FAILURE(N17-N19)	Male	0	0	18	45	119	243	455	691	338	937	93	2939	
		Female	0	0	19	53	90	109	223	328	220	515	30	1587	
4	UROLITHIASIS(N20-N23)	Male	0	0	0	0	0	0	1	2	0	4	0	7	
		Female	0	0	0	1	2	0	2	0	3	1	0	9	
5	OTHER DISORDERS OF KIDNEY AND URETER(N25-N28)	Male	0	0	0	16	23	58	83	93	74	129	1	477	
		Female	0	0	0	4	6	12	29	59	45	61	2	218	
6	ALL OTHER DISEASES OF URINARY SYSTEM(N30-N39)	Male	0	0	0	3	5	20	33	57	32	135	4	289	
		Female	0	0	0	4	6	13	21	39	13	73	0	169	
<b>41</b>	<b>OTHER DISEASES OF THE GENITOURINARY SYSTEM(N40-N99)</b>	Male	0	0	0	0	2	6	10	7	11	16	1	53	
		Female	0	0	0	1	3	1	2	2	3	8	0	20	
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>9</b>	<b>14</b>	<b>24</b>	<b>1</b>	<b>73</b>	
1	HYPERPLASIA OF PROSTATE(N40)	Male	0	0	0	0	0	0	0	0	5	6	0	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	6	10	7	6	10	1	42	
		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 2018

STATE : KARNATAKA

SL NO	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	SALPINGITIS AND OOPHORITIS(N70)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	1	0	0	0	1
4	ALL OTHER DISEASES OF FEMALE GENITAL ORGANS (N60-N64,N71-N76,N80-N99)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	1	3	1	2	1	3	8	0	19
XV	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Female	0	0	0	118	163	25	0	0	0	0	0	306
		Total	0	0	0	118	163	25	0	0	0	0	0	306
42	PREGNANCY WITH ABORTIVE OUTCOME (O00-O08)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	2	4	3	0	0	0	0	0	9
		Total	0	0	0	2	4	3	0	0	0	0	0	9
1	SPONTANEOUS ABORTION (O03)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	MEDICAL ABORTION(O04)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	OTHER PREGNANCIES WITH ABORTIVE OUTCOME(O00-O02 & O05-O08)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	2	4	3	0	0	0	0	0	9
43	OTHER DIRECT OBSTETRIC DEATHS (O10-O92)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	116	159	22	0	0	0	0	0	297
		Total	0	0	0	116	159	22	0	0	0	0	0	297
1	OEDEMA,PROTEINURIA AND HYPERTENSIVE DISORDERS IN PREGNANCY, CHILD BIRTH AND PUERPERIUM(O10-O16)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	61	89	15	0	0	0	0	0	165
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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STATE : KARNATAKA

SL NO	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	OBSTRUCTED LABOUR(O64-O66)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	3	0	0	0	0	0	0	3
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	27	28	1	0	0	0	0	0	56
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	28	39	6	0	0	0	0	0	73
<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>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	INDIRECT OBSTETRIC DEATHS(O98-O99)	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 OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED (O95-O97)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
<b>XVI</b>	<b>CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)</b>	<b>Male</b>	<b>5793</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>5793</b>
		<b>Female</b>	<b>3249</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>3249</b>
		<b>Total</b>	<b>9042</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>9042</b>
<b>45</b>	<b>CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)</b>	<b>Male</b>	<b>5793</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>5793</b>
		<b>Female</b>	<b>3249</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>3249</b>
		<b>Total</b>	<b>9042</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>9042</b>
1	SLOW FETAL GROWTH,FETAL MALNUTRITION AND IMMATUREITY (P05-P07)	Male	2764	0	0	0	0	0	0	0	0	0	0	2764
		Female	1664	0	0	0	0	0	0	0	0	0	0	1664
2	BIRTH TRAUMA(P10-P15)	Male	4	0	0	0	0	0	0	0	0	0	0	4
		Female	3	0	0	0	0	0	0	0	0	0	0	3
3	HYPOXIA,BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS(P20-P28)	Male	2161	0	0	0	0	0	0	0	0	0	0	2161
		Female	1129	0	0	0	0	0	0	0	0	0	0	1129

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STATE : KARNATAKA

SL NO	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	HAEMOLYTIC DISEASE OF FETUS AND NEW-BORN (P55)	Male	1	0	0	0	0	0	0	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
5	OTHER PERINATAL JAUNDICE(P58-P59)	Male	9	0	0	0	0	0	0	0	0	0	0	9
		Female	3	0	0	0	0	0	0	0	0	0	0	3
6	ALL OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P04,P08,P29-P54, P56-P57,P60-P96)	Male	854	0	0	0	0	0	0	0	0	0	0	854
		Female	450	0	0	0	0	0	0	0	0	0	0	450
XVII	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	1016	311	164	0	0	0	0	0	0	0	0	1491
		Female	617	222	122	0	0	0	0	0	0	0	0	961
		Total	1633	533	286	0	0	0	0	0	0	0	0	2452
46	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	1016	311	164	0	0	0	0	0	0	0	0	1491
		Female	617	222	122	0	0	0	0	0	0	0	0	961
		Total	1633	533	286	0	0	0	0	0	0	0	0	2452
1	SPINA BIFIDA(Q05)	Male	11	0	0	0	0	0	0	0	0	0	0	11
		Female	7	0	0	0	0	0	0	0	0	0	0	7
2	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM (Q20-Q28)	Male	780	240	132	0	0	0	0	0	0	0	0	1152
		Female	468	171	109	0	0	0	0	0	0	0	0	748
3	CLEFT LIP AND CLEFT PALATE(Q35-Q37)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	1	0	0	0	0	0	0	0	0	0	0	1
4	ALL OTHER CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES ELSEWHERE CLASSIFIED (Q00-Q04,Q06-Q07,Q10-Q18,Q30-Q34,Q38-Q99)	Male	225	71	32	0	0	0	0	0	0	0	0	328
		Female	141	51	13	0	0	0	0	0	0	0	0	205
XVIII	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0	20	31	106	197	303	522	463	288	1075	116	3121
		Female	0	9	28	66	77	91	186	234	182	1208	81	2162
		Total	0	29	59	172	274	394	708	697	470	2283	197	5283
47	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0	20	31	106	197	303	522	463	288	1075	116	3121
		Female	0	9	28	66	77	91	186	234	182	1208	81	2162
		Total	0	29	59	172	274	394	708	697	470	2283	197	5283

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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	
1	ABDOMINAL AND PELVIC PAIN(R10)	Male	0	0	0	1	0	1	1	0	1	4	0	8	
		Female	0	0	0	0	0	0	0	0	2	0	0	2	
2	ASCITES(R18)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
3	SOMNOLENCE, STUPOR AND COMA(R40)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
4	FEVER OF UNKNOWN ORIGIN(R50)	Male	0	0	0	0	1	1	3	3	1	3	1	13	
		Female	0	0	1	1	0	0	2	2	2	0	0	8	
5	SENILITY(R54)	Male	0	0	0	0	0	0	0	19	57	444	14	534	
		Female	0	0	0	0	0	0	0	14	26	596	17	653	
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	2	4	5	6	8	4	1	1	32	
		Female	0	0	2	2	3	0	3	1	3	4	0	18	
8	SHOCK, NOT ELSEWHERE CLASSIFIED(R57)	Male	0	1	0	0	4	1	3	4	2	3	0	18	
		Female	0	0	0	2	1	3	2	2	0	3	0	13	
9	ALL OTHER SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIFIED (R00-R09,R11-R17,R19-R39,R41-R49,R51-R53,R58-R99)	Male	0	19	30	103	188	295	509	429	223	620	100	2516	
		Female	0	9	25	61	73	88	179	215	149	605	64	1468	
<b>XIX</b>	<b>INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)</b>	<b>Male</b>	<b>0</b>	<b>146</b>	<b>265</b>	<b>1407</b>	<b>2165</b>	<b>1880</b>	<b>2058</b>	<b>1522</b>	<b>499</b>	<b>604</b>	<b>53</b>	<b>10599</b>	
		<b>Female</b>	<b>0</b>	<b>92</b>	<b>189</b>	<b>840</b>	<b>859</b>	<b>650</b>	<b>571</b>	<b>404</b>	<b>171</b>	<b>327</b>	<b>27</b>	<b>4130</b>	
		<b>Total</b>	<b>0</b>	<b>238</b>	<b>454</b>	<b>2247</b>	<b>3024</b>	<b>2530</b>	<b>2629</b>	<b>1926</b>	<b>670</b>	<b>931</b>	<b>80</b>	<b>14729</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>13</b>	<b>10</b>	<b>49</b>	<b>88</b>	<b>75</b>	<b>83</b>	<b>54</b>	<b>24</b>	<b>50</b>	<b>3</b>	<b>449</b>	
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>9</b>	<b>10</b>	<b>6</b>	<b>10</b>	<b>22</b>	<b>13</b>	<b>34</b>	<b>0</b>	<b>107</b>	
		<b>Total</b>	<b>0</b>	<b>13</b>	<b>13</b>	<b>58</b>	<b>98</b>	<b>81</b>	<b>93</b>	<b>76</b>	<b>37</b>	<b>84</b>	<b>3</b>	<b>556</b>	

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STATE : KARNATAKA

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			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	FRACTURE OF SKULL AND FACIAL BONES(S02)	Male	0	0	0	0	2	0	1	0	0	1	0	4
		Female	0	0	0	0	1	1	0	0	0	0	0	2
2	FRACTURE OF NECK, THORAX OR PELVIS(S12,S22,S32 & T08)	Male	0	0	5	14	17	36	26	16	3	41	2	160
		Female	0	0	0	2	2	3	4	9	5	32	0	57
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	1	0	0	0	6	1	0	2	6	0	16
		Female	0	0	0	0	0	0	0	0	4	1	0	5
5	FRACTURES INVOLVING MULTIPLE BODY REGIONS, AND OF UNSPECIFIED BODY REGION(T02)	Male	0	12	5	35	69	33	55	38	19	2	1	269
		Female	0	0	3	7	7	2	6	13	2	1	0	41
49	DISLOCATIONS,SPRAINS AND STRAINS OF SPECIFIED AND MULTIPLE BODY REGIONS(S03,S13,S23,S33,S43, S53,S63,S73,S83,S93,T03)	Male	0	0	0	16	16	25	16	10	3	5	0	91
		Female	0	0	0	4	5	8	3	6	0	5	0	31
		Total	0	0	0	20	21	33	19	16	3	10	0	122
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	16	16	25	16	10	3	5	0	91
		Female	0	0	0	4	5	8	3	6	0	5	0	31
50	INTRACRANIAL AND INTERNAL INJURIESINCLUDING NERVES (S04,S06,S14,S26-S27,S34,S36-S37,S44,S54,S64,S74,S84 & S94)	Male	0	10	7	94	151	129	158	125	39	50	3	766
		Female	0	2	9	18	24	25	42	18	10	9	0	157
		Total	0	12	16	112	175	154	200	143	49	59	3	923
1	INTRACRANIAL AND INTERNAL INJURIESINCLUDING NERVES(S04,S06,S14 S26-S27,S34,S36-S37,S44,S54,S64,S74,S84 & S94)	Male	0	10	7	94	151	129	158	125	39	50	3	766
		Female	0	2	9	18	24	25	42	18	10	9	0	157
51	CRUSHING INJURIES AND TRAUMATIC AMPUTATIONS OF SPECIFIED AND MULTIPLE BODY REGIONS (S07-S08,S17-S18,S28,S38,S47-S48,S57-S58, S67-S68,S77-S78,S87-S88, S97-S98, T04-05)	Male	0	0	0	3	11	7	5	7	0	3	0	36
		Female	0	0	0	1	6	1	0	2	0	0	0	10
		Total	0	0	0	4	17	8	5	9	0	3	0	46

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

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	
52	OTHER INJURIES OF SPECIFIED, UNSPECIFIED AND MULTIPLE BODY	Male	0	42	123	631	949	813	1000	796	268	270	34	4926	
	REGIONS(S00-S01,S05,S09-S11,S15-S16,S19-S21,S25,S29-S31,S35,	Female	0	31	50	89	149	201	204	171	82	135	12	1124	
	,S39-S41,S45-S46,S49-S51,S55-S56,S59-S61,S65-S66,S69-S71,	Total	0	73	173	720	1098	1014	1204	967	350	405	46	6050	
	S75-S76,S79-S81,S85-S86,S89-S91,S95-S96,S99,T00-T01,T06-T07,														
	T09,T11,T13-T14)														
53	EFFECTS OF FOREIGN BODY ENTERING THROUGH NATURAL	Male	0	0	0	0	2	0	1	0	0	0	0	3	
	ORIFICE(T15-T19)	Female	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	0	0	0	0	2	0	1	0	0	0	0	3	
1	EFFECTS OF FOREIGN BODY ENTERING THROUGH NATURAL ORIFICE(T15-T19)	Male	0	0	0	0	2	0	1	0	0	0	0	3	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
54	BURNS AND CORROSIONS(T20-T32)	Male	0	50	47	119	181	185	168	92	19	52	5	918	
		Female	0	32	71	286	364	198	111	78	27	86	8	1261	
		Total	0	82	118	405	545	383	279	170	46	138	13	2179	
1	BURNS AND CORROSIONS(T20-T32)	Male	0	50	47	119	181	185	168	92	19	52	5	918	
		Female	0	32	71	286	364	198	111	78	27	86	8	1261	
55	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,	Male	0	22	73	440	699	601	580	412	137	158	6	3128	
	AND TOXIC EFFECTS OF SUBSTANCES CHIEFLY	Female	0	18	54	384	267	186	183	103	37	50	6	1288	
	NONMEDICINAL AS TO SOURCE(T36-T50 & T51-T65)	Total	0	40	127	824	966	787	763	515	174	208	12	4416	
1	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES,AND TOXIC EFFECTS	Male	0	22	73	440	699	601	580	412	137	158	6	3128	
	OF SUBSTANCES CHIEFLY NONMEDICINAL AS TO SOURCE (T36-T50 & T51-T65)	Female	0	18	54	384	267	186	183	103	37	50	6	1288	
56	OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES AND	Male	0	7	5	54	67	41	39	22	8	14	2	259	
	CERTAIN EARLY COMPLICATIONS OF TRAUMA (T33-T35,T66-T79)	Female	0	9	2	47	30	25	18	3	2	7	1	144	
		Total	0	16	7	101	97	66	57	25	10	21	3	403	
1	OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES AND CERTAIN	Male	0	7	5	54	67	41	39	22	8	14	2	259	
	EARLY COMPLICATION OF TRAUMA (T33-T35,T66-T78 & T79)	Female	0	9	2	47	30	25	18	3	2	7	1	144	
57	COMPLICATIONS OF SURGICAL AND MEDICAL CARE NOT	Male	0	2	0	1	1	3	8	3	1	2	0	21	
	ELSEWHERE CLASSIFIED(T80-T88)	Female	0	0	0	2	4	0	0	1	0	1	0	8	
		Total	0	2	0	3	5	3	8	4	1	3	0	29	

**TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

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	2	0	1	1	3	8	3	1	2	0	21	
		Female	0	0	0	2	4	0	0	1	0	1	0	8	
<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>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>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</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	0	0	0	0	0	0	0	
<b>XX</b>	<b>EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)</b>	<b>Male</b>	<b>0</b>	<b>146</b>	<b>265</b>	<b>1407</b>	<b>2165</b>	<b>1880</b>	<b>2058</b>	<b>1522</b>	<b>499</b>	<b>604</b>	<b>53</b>	<b>10599</b>	
		<b>Female</b>	<b>0</b>	<b>92</b>	<b>189</b>	<b>840</b>	<b>859</b>	<b>650</b>	<b>571</b>	<b>404</b>	<b>171</b>	<b>327</b>	<b>27</b>	<b>4130</b>	
		<b>Total</b>	<b>0</b>	<b>238</b>	<b>454</b>	<b>2247</b>	<b>3024</b>	<b>2530</b>	<b>2629</b>	<b>1926</b>	<b>670</b>	<b>931</b>	<b>80</b>	<b>14729</b>	
<b>E48</b>	<b>TRANSPORT ACCIDENTS(V01-V99)</b>	<b>Male</b>	<b>0</b>	<b>42</b>	<b>125</b>	<b>612</b>	<b>948</b>	<b>826</b>	<b>995</b>	<b>786</b>	<b>272</b>	<b>283</b>	<b>32</b>	<b>4921</b>	
		<b>Female</b>	<b>0</b>	<b>25</b>	<b>47</b>	<b>90</b>	<b>144</b>	<b>210</b>	<b>214</b>	<b>171</b>	<b>85</b>	<b>155</b>	<b>11</b>	<b>1152</b>	
		<b>Total</b>	<b>0</b>	<b>67</b>	<b>172</b>	<b>702</b>	<b>1092</b>	<b>1036</b>	<b>1209</b>	<b>957</b>	<b>357</b>	<b>438</b>	<b>43</b>	<b>6073</b>	
1	RAILWAY ACCIDENTS(V05,V15,V80.6,V81, V82.2,V87.6 & V88.6)	Male	0	0	0	2	3	1	6	4	2	1	0	19	
		Female	0	1	0	0	1	0	1	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	0	42	125	608	936	822	987	776	266	280	32	4874	
		Female	0	24	47	87	143	210	210	170	85	154	11	1141	
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	3	0	0	2	4	1	0	10	
		Female	0	0	0	0	0	0	3	1	0	0	0	4	
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	

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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	
6	ALL OTHER TRANSPORT ACCIDENTS(V09,V19,V29, V39,V49,V83-V86,V89, & V98-V99)	Male	0	0	0	2	6	3	2	4	0	1	0	18	
		Female	0	0	0	3	0	0	0	0	0	0	0	3	
<b>E49</b>	<b>ACCIDENTAL FALLS(W00-W19)</b>	<b>Male</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>33</b>	<b>29</b>	<b>36</b>	<b>58</b>	<b>43</b>	<b>12</b>	<b>24</b>	<b>3</b>	<b>244</b>	
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>9</b>	<b>5</b>	<b>10</b>	<b>0</b>	<b>46</b>	
		<b>Total</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>37</b>	<b>35</b>	<b>41</b>	<b>63</b>	<b>52</b>	<b>17</b>	<b>34</b>	<b>3</b>	<b>290</b>	
1	ACCIDENTAL FALLS(W00-W19)	Male	0	5	1	33	29	36	58	43	12	24	3	244	
		Female	0	2	0	4	6	5	5	9	5	10	0	46	
<b>E50</b>	<b>ACCIDENTAL DROWING AND SUBMERSION(W65-W74)</b>	<b>Male</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>39</b>	
		<b>Female</b>	<b>0</b>	<b>4</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>7</b>	
		<b>Total</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>7</b>	<b>5</b>	<b>6</b>	<b>4</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>46</b>	
1	ACCIDENTAL DROWING AND SUBMERSION(W65-W74)	Male	0	6	2	6	4	5	4	9	1	2	0	39	
		Female	0	4	0	1	1	1	0	0	0	0	0	7	
<b>E51</b>	<b>EXPOSURE TO SMOKE, FIRE AND FLAMES(X00-X09)</b>	<b>Male</b>	<b>0</b>	<b>51</b>	<b>44</b>	<b>111</b>	<b>168</b>	<b>163</b>	<b>148</b>	<b>78</b>	<b>17</b>	<b>43</b>	<b>3</b>	<b>826</b>	
		<b>Female</b>	<b>0</b>	<b>28</b>	<b>70</b>	<b>266</b>	<b>331</b>	<b>170</b>	<b>100</b>	<b>71</b>	<b>24</b>	<b>83</b>	<b>8</b>	<b>1151</b>	
		<b>Total</b>	<b>0</b>	<b>79</b>	<b>114</b>	<b>377</b>	<b>499</b>	<b>333</b>	<b>248</b>	<b>149</b>	<b>41</b>	<b>126</b>	<b>11</b>	<b>1977</b>	
1	EXPOSURE TO SMOKE, FIRE AND FLAMES(X00-X09)	Male	0	51	44	111	168	163	148	78	17	43	3	826	
		Female	0	28	70	266	331	170	100	71	24	83	8	1151	
<b>E52</b>	<b>ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES(X40-X49)</b>	<b>Male</b>	<b>0</b>	<b>19</b>	<b>17</b>	<b>204</b>	<b>298</b>	<b>291</b>	<b>268</b>	<b>190</b>	<b>57</b>	<b>70</b>	<b>3</b>	<b>1417</b>	
		<b>Female</b>	<b>0</b>	<b>15</b>	<b>17</b>	<b>172</b>	<b>104</b>	<b>64</b>	<b>69</b>	<b>40</b>	<b>17</b>	<b>21</b>	<b>6</b>	<b>525</b>	
		<b>Total</b>	<b>0</b>	<b>34</b>	<b>34</b>	<b>376</b>	<b>402</b>	<b>355</b>	<b>337</b>	<b>230</b>	<b>74</b>	<b>91</b>	<b>9</b>	<b>1942</b>	
1	ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES(X40-X49)	Male	0	19	17	204	298	291	268	190	57	70	3	1417	
		Female	0	15	17	172	104	64	69	40	17	21	6	525	

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STATE : KARNATAKA

SL NO	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>E53</b>	<b>INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED)(X60-X84)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>264</b>	<b>450</b>	<b>331</b>	<b>302</b>	<b>212</b>	<b>78</b>	<b>84</b>	<b>6</b>	<b>1758</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>246</b>	<b>192</b>	<b>134</b>	<b>109</b>	<b>51</b>	<b>20</b>	<b>26</b>	<b>1</b>	<b>794</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>510</b>	<b>642</b>	<b>465</b>	<b>411</b>	<b>263</b>	<b>98</b>	<b>110</b>	<b>7</b>	<b>2552</b>
1	INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED)(X60-X84)	Male	0	0	31	264	450	331	302	212	78	84	6	1758
		Female	0	0	15	246	192	134	109	51	20	26	1	794
<b>E54</b>	<b>ASSAULT(HOMICIDE)(X85-Y09)</b>	<b>Male</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>17</b>	<b>15</b>	<b>18</b>	<b>15</b>	<b>20</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>98</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>9</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>31</b>
		<b>Total</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>24</b>	<b>24</b>	<b>21</b>	<b>20</b>	<b>25</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>129</b>
1	ASSAULT(HOMICIDE)(X85-Y09)	Male	0	2	3	17	15	18	15	20	4	3	1	98
		Female	0	0	0	7	9	3	5	5	2	0	0	31
<b>E55</b>	<b>OTHER VIOLENCE(Y10-Y36)</b>	<b>Male</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>26</b>
		<b>Female</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>20</b>
		<b>Total</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>9</b>	<b>14</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>46</b>
1	EVENT OF UNDERTERMINED INTENT(Y10-Y34)	Male	0	3	0	3	5	5	3	4	0	3	0	26
		Female	0	2	0	3	4	9	1	0	0	1	0	20
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>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>11</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>8</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>19</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	4	0	4
		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											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	MISADVENTURES DURING SURGICAL AND MEDICAL CARE, ADVERSE INCIDENTS IN DIAGNOUSTIC AND THERAPEUTIC USE, ABNORMAL REACTIONS AND LATE COMPLICATIONS(Y60-Y69,Y70-Y82 & Y83-Y84)	Male	0	0	1	1	0	3	1	1	0	0	0	7
		Female	0	0	0	0	3	0	0	0	0	1	0	4
<b>E57</b>	<b>OTHER EXTERNAL CAUSES OF ACCIDENTAL INJURY,NOT ELSEWHERE CLASSIFIED (W20-W64,W75-W99,X10-X39,X50-X59)</b>	<b>Male</b>	<b>0</b>	<b>18</b>	<b>41</b>	<b>156</b>	<b>248</b>	<b>202</b>	<b>264</b>	<b>179</b>	<b>58</b>	<b>88</b>	<b>5</b>	<b>1259</b>
		<b>Female</b>	<b>0</b>	<b>16</b>	<b>40</b>	<b>51</b>	<b>63</b>	<b>54</b>	<b>68</b>	<b>55</b>	<b>18</b>	<b>30</b>	<b>1</b>	<b>396</b>
		<b>Total</b>	<b>0</b>	<b>34</b>	<b>81</b>	<b>207</b>	<b>311</b>	<b>256</b>	<b>332</b>	<b>234</b>	<b>76</b>	<b>118</b>	<b>6</b>	<b>1655</b>
1	ACCIDENTS CAUSED BY MACHINERY,AND BY CUTTING PIERCING INSTRUMENTS (W24-W31)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	ACCIDENTS CAUSED BY FIREARM MISSILE (W32-W34)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	BITES OF SNAKES AND OTHER VENOMOUS ANIMALS (X20-X27)	Male	0	1	28	18	22	18	52	21	13	16	1	190
		Female	0	9	26	21	22	23	26	17	5	11	0	160
4	SUN STROKE (X32)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
5	ALL OTHER ACCIDENTS INCLUDING LATE EFFECTS (W20-W23, W35-W64,W75-W99,X10-X19,X28-X29,X30-X31,X33-X39 & X50-X59)	Male	0	17	13	138	226	184	212	158	45	72	4	1069
		Female	0	7	14	30	41	31	42	38	13	19	1	236
<b>E58</b>	<b>LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(Y85-Y89)</b>	<b>Male</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Female</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
1	LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(Y85-Y89)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
	<b>ALL CAUSES</b>	<b>Male</b>	<b>6917</b>	<b>859</b>	<b>1135</b>	<b>3097</b>	<b>6392</b>	<b>10196</b>	<b>16253</b>	<b>17887</b>	<b>10204</b>	<b>22197</b>	<b>1730</b>	<b>96867</b>
		<b>Female</b>	<b>3945</b>	<b>643</b>	<b>917</b>	<b>2373</b>	<b>3107</b>	<b>4048</b>	<b>7154</b>	<b>8894</b>	<b>5569</b>	<b>15989</b>	<b>909</b>	<b>53548</b>
		<b>Total</b>	<b>10862</b>	<b>1502</b>	<b>2052</b>	<b>5470</b>	<b>9499</b>	<b>14244</b>	<b>23407</b>	<b>26781</b>	<b>15773</b>	<b>38186</b>	<b>2639</b>	<b>150415</b>

**TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2008 to 2018**

Major Group No.	Cause of Death	Sex	Years										
			2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	2	3	5	6	7	8	9	10	11	12	13	14	15
1	<b>CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)</b>	M	8183	8317	8876	8477	8528	9510	8989	9033	9085	8680	8635
		F	4365	4646	5024	4689	5057	4998	4517	4715	4855	4691	4707
		<b>T</b>	<b>12548</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>
2	<b>NEOPLASMS (C00-D48)</b>	M	4117	4594	4367	4366	4545	5525	6214	6546	7659	7761	7992
		F	2940	3219	3200	3213	3239	4055	4692	4872	5625	5565	5616
		<b>T</b>	<b>7057</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>
3	<b>DISEASES OF THE BLOOD &amp; BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)</b>	M	999	1005	1018	1097	1120	1222	1253	1273	1363	1505	1551
		F	1024	1049	973	912	893	1223	1077	1198	1249	1364	1624
		<b>T</b>	<b>2023</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>
4	<b>ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)</b>	M	4623	4853	4630	4599	4874	4606	4523	4619	5464	5656	5936
		F	3094	3091	3156	3237	3232	3432	3320	3508	3962	3873	4269
		<b>T</b>	<b>7717</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>
5	<b>MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)</b>	M	122	100	89	74	101	192	86	95	109	96	86
		F	24	38	24	31	24	54	34	28	21	25	16
		<b>T</b>	<b>146</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>
6	<b>DISEASES OF THE NERVOUS SYSTEM(G00-G98)</b>	M	1929	2117	2009	2001	2074	2417	2075	2221	2219	2323	2286
		F	1235	1215	1279	1162	1195	1451	1165	1402	1369	1431	1394
		<b>T</b>	<b>3164</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>
7	<b>DISEASES OF THE EYE AND ADNEXA(H00-H59)</b>	M	2	2	1	2	4	7	7	2	0	6	2
		F	0	2	0	1	2	5	3	1	1	1	0
		<b>T</b>	<b>2</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>
8	<b>DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)</b>	M	2	1	0	5	2	6	5	7	1	1	2
		F	0	3	2	3	1	5	2	1	1	0	0
		<b>T</b>	<b>2</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>
9	<b>DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)</b>	M	20910	20847	23941	23749	24681	26384	27962	29697	27504	28634	28391
		F	11569	11769	13304	13184	13581	14997	15347	16873	15639	16661	16454
		<b>T</b>	<b>32479</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>
10	<b>DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)</b>	M	5665	5639	6740	6451	6678	8140	8401	8264	8517	8454	8545
		F	2864	2980	3670	3280	3380	4212	3825	4232	4156	4237	4269
		<b>T</b>	<b>8529</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>
11	<b>DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)</b>	M	5279	5468	6225	6466	6700	7788	7936	8235	7801	7705	7788
		F	1450	1501	1634	1608	1523	1750	1716	1811	1889	1833	1880
		<b>T</b>	<b>6729</b>	<b>6969</b>	<b>7859</b>	<b>8074</b>	<b>8223</b>	<b>9538</b>	<b>9652</b>	<b>10046</b>	<b>9690</b>	<b>9538</b>	<b>9668</b>

**TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2008 to 2018**

Major Group No.	Cause of Death	Sex	Years										
			2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	2	3	5	6	7	8	9	10	11	12	13	14	15
12	<b>DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)</b>	M	464	486	463	508	476	708	701	896	742	629	667
		F	240	257	225	264	230	364	373	349	322	313	352
		<b>T</b>	<b>704</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>
13	<b>DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)</b>	M	51	54	88	107	124	162	186	239	186	162	141
		F	58	46	66	84	92	173	121	178	125	103	85
		<b>T</b>	<b>109</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>
14	<b>DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)</b>	M	2302	2446	2766	2544	2722	3143	2907	3271	3827	3907	3841
		F	1195	1379	1413	1528	1457	1821	1669	1868	2113	2126	2074
		<b>T</b>	<b>3497</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>
15	<b>PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)</b>	M	0	0	0	0	0	0	0	0	0	0	0
		F	649	611	848	841	642	758	1069	638	550	433	306
		<b>T</b>	<b>649</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>
16	<b>CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)</b>	M	5555	6204	6798	7090	6932	8073	9243	5219	5160	4665	5793
		F	3831	4127	4004	4412	4678	5353	5344	3439	3410	3100	3249
		<b>T</b>	<b>9386</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>
17	<b>CONGENITAL MALFORMATIONS,DEFORMATIONS &amp; CHROMOSOMAL ABNORMALITIES(Q00-Q99)</b>	M	979	1034	1020	1101	954	1352	1500	1270	1258	1336	1491
		F	650	756	676	704	665	899	935	830	734	931	961
		<b>T</b>	<b>1629</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>
18	<b>SYMPTOMS,SIGNS AND ABNORMAL CLINICAL &amp; LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)</b>	M	3122	2601	1297	1019	793	1389	1537	1819	2320	1945	3121
		F	1911	1720	1018	611	447	1060	1144	1471	1534	1233	2162
		<b>T</b>	<b>5033</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>
19	<b>INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)</b>	M	7272	7315	6523	8861	8411	10714	10848	11251	10899	10655	10599
		F	4194	3941	3980	4940	5123	5780	5560	5043	4855	4650	4130
		<b>T</b>	<b>11466</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>ALL CAUSES</b>	M	<b>71576</b>	<b>73083</b>	<b>76851</b>	<b>78517</b>	<b>79719</b>	<b>91318</b>	<b>94373</b>	<b>93957</b>	<b>94114</b>	<b>94120</b>	<b>96867</b>	
	F	<b>41293</b>	<b>42350</b>	<b>44496</b>	<b>44704</b>	<b>45461</b>	<b>52390</b>	<b>51913</b>	<b>52457</b>	<b>52410</b>	<b>52570</b>	<b>53548</b>	
	<b>T</b>	<b>112869</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>	

**TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2008 TO 2018**

Major Group No.	Cause of Death	Sex	Years										
			2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>1</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>14</b>
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	M	11.43	11.38	11.55	10.80	10.70	10.41	9.52	9.61	9.65	9.22	8.91
		F	10.57	10.97	11.29	10.49	11.12	9.54	8.70	8.99	9.26	8.92	8.79
		T	<b>11.12</b>	<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>
2	NEOPLASMS (C00-D48)	M	5.75	6.29	5.68	5.56	5.70	6.05	6.58	6.97	8.14	8.25	8.25
		F	7.12	7.60	7.19	7.19	7.12	7.74	9.04	9.29	10.73	10.59	10.49
		T	<b>6.25</b>	<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>
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	M	1.40	1.38	1.32	1.40	1.40	1.34	1.33	1.35	1.45	1.60	1.60
		F	2.48	2.48	2.19	2.04	1.96	2.33	2.07	2.28	2.38	2.59	3.03
		T	<b>1.79</b>	<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>
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	M	6.46	6.64	6.02	5.86	6.11	5.04	4.79	4.92	5.81	6.01	6.13
		F	7.49	7.30	7.09	7.24	7.11	6.55	6.40	6.69	7.56	7.37	7.97
		T	<b>6.84</b>	<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>
5	MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)	M	0.17	0.14	0.12	0.09	0.13	0.21	0.09	0.10	0.12	0.10	0.09
		F	0.06	0.09	0.05	0.07	0.05	0.10	0.07	0.05	0.04	0.05	0.03
		T	<b>0.13</b>	<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>
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	M	2.70	2.90	2.16	2.55	2.60	2.65	2.20	2.36	2.36	2.47	2.36
		F	2.99	2.87	2.87	2.60	2.63	2.77	2.24	2.67	2.61	2.72	2.60
		T	<b>2.80</b>	<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>
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	M	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.01
		F	0.00	0.00	0.00	0.00	0.00	0.01	0.01	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>0.00</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>
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	M	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00
		F	0.00	0.01	0.00	0.01	0.00	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>0.01</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>
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	M	29.21	28.53	31.15	30.25	30.96	28.89	29.63	31.61	29.22	30.42	29.31
		F	28.02	27.79	29.90	29.49	29.87	28.63	29.56	32.17	29.84	31.69	30.73
		T	<b>28.78</b>	<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>
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	M	7.91	7.72	8.77	8.22	8.38	8.91	8.90	8.80	9.05	8.98	8.82
		F	6.94	7.04	8.25	7.34	7.43	8.04	7.37	8.07	7.93	8.06	7.97
		T	<b>7.56</b>	<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>
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	M	7.38	7.48	8.10	8.24	8.40	8.53	8.41	8.76	8.29	8.19	8.04
		F	3.51	3.54	3.67	3.60	3.35	3.34	3.31	3.45	3.60	3.49	3.51
		T	<b>5.96</b>	<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>

**TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2008 TO 2018**

Major Group No.	Cause of Death	Sex	Years										
			2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
1	2	3	5	6	7	8	9	10	11	12	13	14	14
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	M	0.65	0.66	0.60	0.65	0.60	0.78	0.74	0.95	0.79	0.67	0.69
		F	0.58	0.61	0.51	0.59	0.51	0.69	0.72	0.67	0.61	0.60	0.66
		T	<b>0.62</b>	<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>
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	M	0.07	0.07	0.11	0.14	0.16	0.18	<b>0.20</b>	0.25	0.20	0.17	0.15
		F	0.14	0.11	0.15	0.19	0.20	0.33	<b>0.23</b>	0.34	0.24	0.20	0.16
		T	<b>0.10</b>	<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>
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	M	3.22	3.35	3.60	3.24	3.41	3.44	3.08	3.48	4.07	4.15	3.97
		F	2.89	3.26	3.18	3.42	3.20	3.48	3.21	3.56	4.03	4.04	3.87
		T	<b>3.10</b>	<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>
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	1.57	1.44	1.91	1.88	1.41	1.45	2.06	1.22	1.05	0.82	0.57
		T	<b>0.58</b>	<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>
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	M	7.76	8.49	8.85	9.03	8.70	8.82	9.79	5.55	5.48	4.96	5.98
		F	9.28	9.74	9.00	9.87	10.29	10.22	10.29	6.56	6.51	5.90	6.07
		T	<b>8.32</b>	<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>
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	M	1.37	1.41	1.33	1.40	1.20	1.48	1.59	1.35	1.34	1.42	1.54
		F	1.57	1.79	1.52	1.57	1.46	1.72	1.80	1.58	1.40	1.77	1.79
		T	<b>1.44</b>	<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>
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	M	4.36	3.56	1.69	1.30	0.99	1.52	1.63	1.94	2.47	2.07	3.22
		F	4.63	4.06	2.29	1.37	0.98	2.02	2.20	2.80	2.93	2.35	4.04
		T	<b>4.46</b>	<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>
19	INJURY,POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES(S00-T98)	M	10.16	10.01	8.49	11.29	10.55	11.73	11.49	11.97	11.58	11.32	10.94
		F	10.16	9.31	8.94	11.05	11.27	11.03	10.71	9.61	9.26	8.85	7.71
		T	<b>10.16</b>	<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>
ALL CAUSES	M	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	F	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	T	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

**TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

**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	0.64	19.91	20.70	12.14	13.20	13.39	10.78	8.79	7.05	6.35	8.50	8.91
		Female	0.71	18.66	21.92	15.97	15.96	14.38	11.32	8.51	6.50	5.56	9.13	8.79
		Total	0.66	19.37	21.25	13.80	14.11	13.67	10.95	8.70	6.85	6.02	8.72	8.87
2	NEOPLASMS (C00-D48)	Male	0.07	3.61	9.78	6.72	4.96	6.54	8.55	10.60	12.52	8.99	5.49	8.25
		Female	0.10	3.42	6.98	4.30	7.43	15.64	17.17	14.72	13.20	7.49	9.90	10.49
		Total	0.08	3.53	8.53	5.67	5.77	9.13	11.18	11.97	12.76	8.36	7.01	9.05
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0.00	4.19	3.88	2.58	2.24	1.98	1.64	1.40	1.54	1.52	2.02	1.60
		Female	0.00	4.35	6.54	6.49	5.73	4.32	3.52	2.56	2.53	2.45	1.87	3.03
		Total	0.00	4.26	5.07	4.28	3.38	2.65	2.21	1.79	1.89	1.91	1.97	2.11
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.23	1.76	1.81	1.91	2.98	5.83	7.91	8.21	9.24	10.40	6.13
		Female	0.00	0.31	2.40	2.23	2.25	4.37	8.09	10.51	11.53	10.59	10.45	7.97
		Total	0.00	0.27	2.05	1.99	2.02	3.38	6.52	8.77	9.38	9.81	10.42	6.78
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.00	0.00	0.27	0.18	0.11	0.08	0.06	0.04	0.29	0.09
		Female	0.00	0.00	0.00	0.13	0.00	0.10	0.03	0.01	0.02	0.03	0.11	0.03
		Total	0.00	0.00	0.00	0.05	0.18	0.15	0.09	0.06	0.04	0.03	0.23	0.07
6	DISEASES OF THE NERVOUS SYSTEM (G00-G98)	Male	0.82	11.06	9.60	4.71	3.38	2.80	2.16	1.81	2.17	1.98	2.43	2.36
		Female	1.14	16.02	12.21	4.80	3.41	3.46	2.03	2.16	1.98	1.93	2.09	2.60
		Total	0.94	13.18	10.77	4.75	3.39	2.98	2.12	1.93	2.10	1.96	2.31	2.45
7	DISEASES OF THE EYE AND ADNEXA H00-H59)	Male	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00
		Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	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 2018**

**KARNATAKA**

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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	0.00	0.00	0.00	0.00	
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0.01	0.70	1.67	7.78	15.77	23.33	29.86	34.98	39.10	40.46	38.03	29.31	
		Female	0.03	0.47	1.31	7.71	14.29	20.70	29.51	35.72	38.59	44.82	40.59	30.73	
		Total	0.02	0.60	1.51	7.75	15.29	22.58	29.75	35.22	38.92	42.29	38.92	29.81	
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0.01	3.49	6.52	6.52	4.62	6.03	8.03	9.50	10.98	13.70	9.42	8.82	
		Female	0.03	4.20	6.43	6.78	6.37	7.98	7.16	8.44	9.59	10.24	7.15	7.97	
		Total	0.02	3.79	6.48	6.64	5.19	6.59	7.76	9.15	10.49	12.25	8.64	8.52	
11	DISEASES OF THE DIGESTIVE SYSTEM (K00-K92)	Male	0.00	1.05	3.70	6.33	13.85	17.29	12.64	7.89	5.08	3.55	6.99	8.04	
		Female	0.00	2.02	1.96	4.93	4.60	5.78	5.65	4.37	3.43	2.18	2.53	3.51	
		Total	0.00	1.46	2.92	5.72	10.82	14.02	10.50	6.72	4.50	2.97	5.46	6.43	
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0.00	0.00	0.09	0.32	0.36	0.64	0.74	0.87	0.85	0.86	0.81	0.69	
		Female	0.00	0.00	0.87	0.51	0.64	0.77	0.67	0.69	0.74	0.79	0.55	0.66	
		Total	0.00	0.00	0.44	0.40	0.45	0.67	0.72	0.81	0.81	0.83	0.72	0.68	
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0.00	0.00	0.09	0.06	0.11	0.10	0.17	0.20	0.20	0.17	0.06	0.15	
		Female	0.00	0.00	0.11	0.08	0.16	0.12	0.21	0.21	0.25	0.14	0.22	0.16	
		Total	0.00	0.00	0.10	0.07	0.13	0.11	0.18	0.20	0.22	0.15	0.11	0.15	
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	0.23	1.67	2.16	2.39	3.32	3.62	4.88	4.53	5.58	5.78	3.97	
		Female	0.00	0.31	2.29	2.91	3.77	3.46	4.07	4.91	5.32	4.18	3.52	3.87	
		Total	0.00	0.27	1.95	2.49	2.84	3.36	3.76	4.89	4.81	4.99	5.00	3.93	

**TABLE 5: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

**KARNATAKA**

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Female	0.00	0.00	0.00	4.97	5.25	0.62	0.00	0.00	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	2.16	1.72	0.18	0.00	0.00	0.00	0.00	0.00	0.00
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	83.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.98
		Female	82.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.07
		Total	83.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.01
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	14.69	36.20	14.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54
		Female	15.64	34.53	13.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79
		Total	15.03	35.49	13.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63
18	SYMPTOMS, SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	Male	0.00	2.33	2.73	3.42	3.08	2.97	3.21	2.59	2.82	4.84	6.71	3.22
		Female	0.00	1.40	3.05	2.78	2.48	2.25	2.60	2.63	3.27	7.56	8.91	4.04
		Total	0.00	1.93	2.88	3.14	2.88	2.77	3.02	2.60	2.98	5.98	7.46	3.51
19	INJURY, POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	0.00	17.00	23.35	45.43	33.87	18.44	12.66	8.51	4.89	2.72	3.06	10.94
		Female	0.00	14.31	20.61	35.40	27.65	16.06	7.98	4.54	3.07	2.05	2.97	7.71
		Total	0.00	15.85	22.12	41.08	31.83	17.76	11.23	7.19	4.25	2.44	3.03	9.79
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	0.00	17.00	23.35	45.43	33.87	18.44	12.66	8.51	4.89	2.72	3.06	10.94
		Female	0.00	14.31	20.61	35.40	27.65	16.06	7.98	4.54	3.07	2.05	2.97	7.71
		Total	0.00	15.85	22.12	41.08	31.83	17.76	11.23	7.19	4.25	2.44	3.03	9.79
	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 2018**

**KARNATAKA**

SL.NO	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	Male	0.51	1.98	2.72	4.35	9.77	15.81	20.29	18.20	8.33	16.33	1.70	100.00	
		Female	0.59	2.55	4.27	8.05	10.54	12.36	17.21	16.08	7.69	18.89	1.76	100.00	
		Total	0.54	2.18	3.27	5.66	10.04	14.59	19.20	17.46	8.10	17.23	1.72	100.00	
2	NEOPLASMS (C00-D48)	Male	0.06	0.39	1.39	2.60	3.97	8.35	17.38	23.72	15.99	24.96	1.19	100.00	
		Female	0.07	0.39	1.14	1.82	4.11	11.27	21.87	23.31	13.09	21.33	1.60	100.00	
		Total	0.07	0.39	1.29	2.28	4.03	9.55	19.23	23.55	14.79	23.46	1.36	100.00	
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	Male	0.00	2.32	2.84	5.16	9.22	13.02	17.15	16.18	10.12	21.73	2.26	100.00	
		Female	0.00	1.72	3.69	9.48	10.96	10.78	15.52	14.04	8.68	24.08	1.05	100.00	
		Total	0.00	2.02	3.28	7.37	10.11	11.87	16.31	15.09	9.39	22.93	1.64	100.00	
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.03	0.34	0.94	2.06	5.12	15.95	23.84	14.12	34.57	3.03	100.00	
		Female	0.00	0.05	0.52	1.24	1.64	4.15	13.56	21.90	15.04	39.68	2.23	100.00	
		Total	0.00	0.04	0.41	1.07	1.88	4.71	14.95	23.03	14.50	36.71	2.69	100.00	
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.00	0.00	19.77	20.93	20.93	16.28	6.98	9.30	5.81	100.00	
		Female	0.00	0.00	0.00	18.75	0.00	25.00	12.50	6.25	6.25	25.00	6.25	100.00	
		Total	0.00	0.00	0.00	2.94	16.67	21.57	19.61	14.71	6.86	11.76	5.88	100.00	
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	2.49	4.16	4.77	6.39	9.45	12.47	15.35	14.17	9.67	19.25	1.84	100.00	
		Female	3.23	7.39	8.03	8.18	7.60	10.04	10.40	13.77	7.89	22.09	1.36	100.00	
		Total	2.77	5.38	6.01	7.07	8.75	11.55	13.48	14.02	8.99	20.33	1.66	100.00	
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00	0.00	100.00	
		Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	
		Total	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00	0.00	100.00	

**TABLE 6: PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS OVER AGE GROUPS BY SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2018**

**KARNATAKA**

SL.NO	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00	100.00
		Female	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	50.00	0.00	100.00
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	0.00	0.02	0.07	0.85	3.55	8.38	17.09	22.04	14.05	31.63	2.32	100.00	
		Female	0.01	0.02	0.07	1.11	2.70	5.09	12.83	19.31	13.06	43.56	2.24	100.00	
		Total	0.00	0.02	0.07	0.95	3.24	7.17	15.53	21.03	13.69	36.01	2.29	100.00	
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0.01	0.35	0.87	2.36	3.45	7.20	15.27	19.89	13.11	35.58	1.91	100.00	
		Female	0.02	0.63	1.38	3.77	4.64	7.57	11.99	17.59	12.51	38.37	1.52	100.00	
		Total	0.02	0.44	1.04	2.83	3.85	7.32	14.18	19.13	12.91	36.51	1.78	100.00	
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0.00	0.12	0.54	2.52	11.36	22.64	26.37	18.13	6.65	10.12	1.55	100.00	
		Female	0.00	0.69	0.96	6.22	7.61	12.45	21.49	20.69	10.16	18.51	1.22	100.00	
		Total	0.00	0.23	0.62	3.24	10.63	20.66	25.42	18.63	7.33	11.75	1.49	100.00	
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0.00	0.00	0.15	1.50	3.45	9.75	17.99	23.24	13.04	28.79	2.10	100.00	
		Female	0.00	0.00	2.27	3.41	5.68	8.81	13.64	17.33	11.65	35.80	1.42	100.00	
		Total	0.00	0.00	0.88	2.16	4.22	9.42	16.49	21.20	12.56	31.21	1.86	100.00	
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0.00	0.00	0.71	1.42	4.96	7.09	19.86	24.82	14.18	26.24	0.71	100.00	
		Female	0.00	0.00	1.18	2.35	5.88	5.88	17.65	22.35	16.47	25.88	2.35	100.00	
		Total	0.00	0.00	0.88	1.77	5.31	6.64	19.03	23.89	15.04	26.11	1.33	100.00	
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	0.05	0.49	1.74	3.98	8.83	15.33	22.70	12.03	32.23	2.60	100.00	
		Female	0.00	0.10	1.01	3.33	5.64	6.75	14.03	21.07	14.27	32.26	1.54	100.00	
		Total	0.00	0.07	0.68	2.30	4.56	8.10	14.88	22.13	12.81	32.24	2.23	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 2018**

**KARNATAKA**

SL.NO	CAUSE OF DEATH	SEX	AGE GROUPS											TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Female	0.00	0.00	0.00	38.56	53.27	8.17	0.00	0.00	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	38.56	53.27	8.17	0.00	0.00	0.00	0.00	0.00	0.00
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Female	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Total	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
17	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	68.14	20.86	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Female	64.20	23.10	12.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Total	66.60	21.74	11.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS,NOT ELSEWHERE CLASSIF	Male	0.00	0.64	0.99	3.40	6.31	9.71	16.73	14.83	9.23	34.44	3.72	100.00
		Female	0.00	0.42	1.30	3.05	3.56	4.21	8.60	10.82	8.42	55.87	3.75	100.00
		Total	0.00	0.55	1.12	3.26	5.19	7.46	13.40	13.19	8.90	43.21	3.73	100.00
19	INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	Male	0.00	1.38	2.50	13.27	20.43	17.74	19.42	14.36	4.71	5.70	0.50	100.00
		Female	0.00	2.23	4.58	20.34	20.80	15.74	13.83	9.78	4.14	7.92	0.65	100.00
		Total	0.00	1.62	3.08	15.26	20.53	17.18	17.85	13.08	4.55	6.32	0.54	100.00
20	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	0.00	1.38	2.50	13.27	20.43	17.74	19.42	14.36	4.71	5.70	0.50	100.00
		Female	0.00	2.23	4.58	20.34	20.80	15.74	13.83	9.78	4.14	7.92	0.65	100.00
		Total	0.00	1.62	3.08	15.26	20.53	17.18	17.85	13.08	4.55	6.32	0.54	100.00
	ALL CAUSES	MALE	7.14	0.89	1.17	3.20	6.60	10.53	16.78	18.47	10.53	22.91	1.79	100.00
		FEMALE	7.37	1.20	1.71	4.43	5.80	7.56	13.36	16.61	10.40	29.86	1.70	100.00
		TOTAL	7.22	1.00	1.36	3.64	6.32	9.47	15.56	17.80	10.49	25.39	1.75	100.00

**Table - 7 : Percentage distribution of Medically Certified Deaths due to Tuberculosis, Diabetes Mellitus and Ischaemic Heart Diseases from 2008 to 2018**

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>2008</b>	5.86	4.17	5.24	5.77	6.62	6.08	13.50	11.63	12.81	63.42	36.58	100.00
<b>2009</b>	5.47	3.70	4.82	6.15	6.58	6.30	12.75	11.21	12.18	63.31	36.69	100.00
<b>2010</b>	5.29	3.72	4.72	5.29	6.11	5.59	13.91	12.43	13.37	63.33	36.67	100.00
<b>2011</b>	5.24	3.72	4.69	5.12	6.20	5.51	12.77	11.47	12.30	63.72	36.28	100.00
<b>2012</b>	5.42	4.55	5.10	5.50	6.15	5.73	13.42	12.12	12.95	63.68	36.32	100.00
<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>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				
CAUSE OF DEATH				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 entitles 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 ad Mortality data, based on ICD-10 has been finalised in consultation with the states to meet their requirements and has been adopted from 1999 onward for MCCD Report. The list based on ICD-10 comprises of 20 major groups, 69 categories and 193 sub-categories of causes as compared to 18 major groups including supplementary classification of Injury & poisoning, 66 categories and 194 sub-categories of causes (includes few single causes) of national list based on ICD-9. Chapters, Blocks of three-character categories and group of three/four-character categories of ICD-10 have been considered as Major Groups, Categories and sub-categories respectively in the national list.

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

### NATIONAL LIST BASED ON ICD-10

#### Major Groups I to XIX :

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

&

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

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

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

<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