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GOVERNMENT OF KERALA



REPORT ON MEDICAL CERTIFICATION OF CAUSE OF DEATH 2001

Directorate of Economics & Statistics
Thituvananthapuram, Kerala
2006

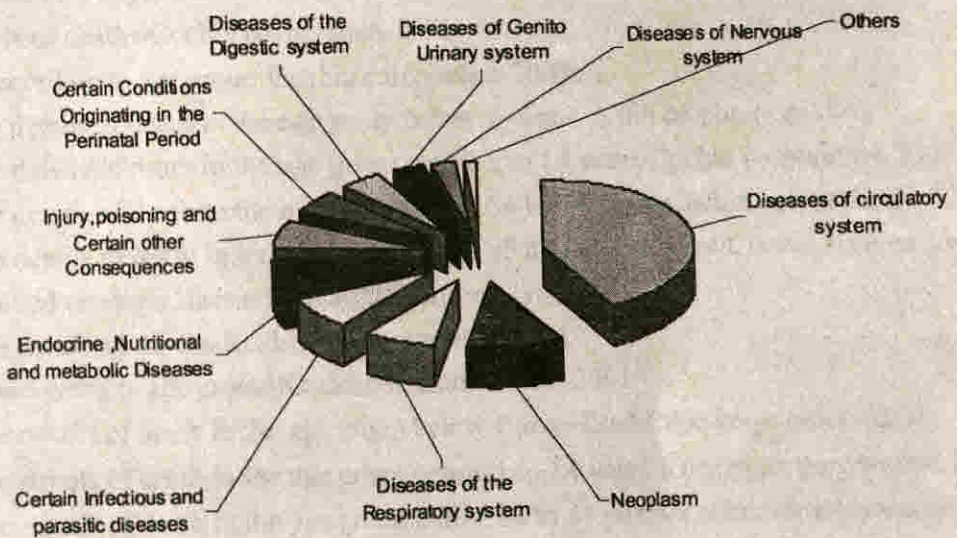
**REPORT ON MEDICAL CERTIFICATION
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PREFACE

The scheme - Medical Certification of Cause of Death (MCCD) was introduced in the state as part of all India programme for improvement of Vital Statistics. The importance of statistics on cause of death is well recognised and these data are in demand by health planners, administrators and medical professionals.

The Scheme MCCD is in operation in the four corporations, namely, Thiruvananthapuram, Kollam, Cochin and Kozhikode and in municipality of Alappuzha.

This report deals with mortality by cause occurred in the state during the year 2001. The report was prepared by Smt.S.Leelamony, Deputy Director with the assistance of Sri.Roy Thomas, Assistant Director and Sri.C.Krishna Kumar, Research Assistant of V.S division under the guidance of Sri.D.Rajan, Additional Director.

M.R.Balakrishnan
DIRECTOR

REPORT ON MEDICAL CERTIFICATION OF CAUSE OF DEATH – 2001

INTRODUCTION

Mortality statistics form an integral part of vital statistics system. Cause of death is one of the important aspects of mortality. Statistics on cause of death are essential to health planner's administrators and medical professionals for undertaking remedial measures in effective and planned manners for the welfare of the people RGI obtains statistics on cause of death under the aegis of the RBD Act 1969.

The Registration of Birth and Death Act 1969 contains the following sections

Section 10(2)

In any area the state Government having regard to the facilities available there in this behalf may require that a certificate as to the cause of death shall be obtained by Registrar from such persons 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 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 for the work will 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.

The reporting form for the registration of death has also an item for cause of death. However, this information in majority of cases is not authenticated by a medical practitioner. Owing to the difficulty in obtaining cause of death as medically certified, the Registrar General of India formulated the scheme Medical Certification of cause of death, which has been introduced in phases. For the time being it has been introduced in hospitals in urban areas which have been selected by the Chief Registrar of Birth and Death of the state.

In Kerala the scheme has been introduced only in Four Corporations and in a Municipality, viz, In Thiruvananthapuram, kollam, Kochi, Kozhikkode, Corporations and Alappuzha Municipality .The analysis of cause of death in Kollam, Kochi, Kozhikode, Corporations and Alappuzha, Municipality for the year 2001 were done.

Objectives

- 1.To obtain reliable information on the underlying cause of death
- 2.To pinpoint the leading diseases that led to the male and female deaths
- 3.To identify individual cause of death in certain special groups like on infants mothers and aged persons
- 4.To study the mortality patterns of certain important diseases like as tuberculosis cancer
- 5.To enable-public health medical authorities to undertake special investigation and studies in to the mortality patterns of diseases for the evaluation and planning of health activities

Cause of death

Cause of death is defined as all those diseases, morbid conditions or injuries that either resulted in or contributed to death and the circumstances of accidents or violence that produced such injuries. Underlying cause of death is the disease, which initiated the chain of events leading directly to death or the circumstances of the accidents, or violence, which produced the fatal injury.

Methodology

The scheme envisages the collection of accurate data relating to all death in medical institution in the corporation area having facilities for inpatient treatment. The attending Physician is required to finish the data on cause of death in the prescribed form. The data are collected from these prescribed forms, Form No.4 (Institutional death). Another form No 4(Non Institutional death). The forms contain the details of the diseases such as name normal residence, sex, age, date of birth, marital status religion, occupation ,immediate cause of death and whether the death associated with pregnancy and child birth.The data are scrutinized and cause of death are identified and coded by the Deputy Health Officers appointed for the purpose. Information of morbidity is not collected under the scheme of medical certification of cause death

Coding of M.C C D

Data on medically certified cause of death are tabulated according to International classification of diseases (ICD-10)).

ICD 10

It is a Systematic recording based on, International standard diagnostic classification. Practical instructions and rules are adopted for reporting. Alphanumeric codes are used here

ICD-10 Characteristics-

Three-character code, further subdivided into up to ten four character sub-categories, with the fourth character after a decimal. Coding is for Practical, epidemiological purpose rather than pure theoretical.

The following are the various chapters in this coding.

- Chapter I: Certain infectious & parasitic disease A00-B99
- Chapter II: Neoplasms C00-D48
- Chapter III: Diseases of the blood and blood forming organs D50-D89
- Chapter IV: Endocrine nutritional and metabolic diseases E00-E90
- Chapter V: Mental and behavioral disorders F00-F99
- Chapter VI: Diseases of nervous system G00-G99Ch
- Chapter VII: Diseases of eye and adnexa H00-H59
- Chapter VIII: Diseases of the ear and mastoid process H60-H95
- Chapter IX: Diseases of the circulatory system I00-199
- Chapter X: Diseases of the respiratory system J00-J99
- Chapter XI: Diseases of the digestive system K00-K93
- Chapter XII: Diseases of the skin and subcutaneous tissue L00-L99
- Chapter XIII: Diseases of the Musculo-skeletal system and connective tissue M00-M99
- Chapter XIV: Diseases of the genitourinary system N00-N99
- Chapter XV: Pregnancy childbirth and puerperium O00-O99
- Chapter XVI: Certain diseases originating in the perinatal period P00-P96
- Chapter XVII: congenital malformations and chromosomal abnormalities Q00-Q99

Chapter XVIII: Symptoms, signs and abnormalities not elsewhere classified R00-R99

Chapter XIX: Injury, Poisoning and certain other consequences of S00 – S99

external causes T00 – T98

Chapter XX: External causes of morbidity and mortality V01-Y98

Chapter XXI: Factors influencing health status & contact with the health services Z00-Z9

Uses of causes of death data.

It is an important tool of obtaining authentic and scientific information regarding causes of mortality. MCCD data are of very much importance in the following situations.

- To study and explain level, trends and differentials in age- specific mortality
- To guide priorities for resource allocation and socio-medical research
- To monitor Public Health programmes
- To provide clues for epidemiological research

A Brief Analysis

As per 2001 censuses population of Kollam Corporation was 365880 with an area of 57.28sq.km having density of population 6388/sqkm. During the year under report the number of medically certified deaths verified and analysed were 1840

Population of Kochin Corporation was 597566 as per 2001 censuses with an area of 94.88sqkm and having density of population 6298. The number of Medically certified deaths analysed were 5852 .

In Kozikodu Corporation the population as per 2001 censuses were 437095 with an area of 84.28 sqkm and density of population 5186. During the year under reported the medically certified death analysed were 6955.

In Alappuzh Municipality the population as per 2001 censuses was 177160 with an area of 46.77 sqkm having density of population 3788 .During the year under report the number of medically certified deaths analysed were 2094

Sex wise Distribution

In Kollam Corporation out of 1840 deaths, 1201 (65.27%) were male and 639(34.73%) were female. In the previous year 2000, 1976 death were reported. Of which 1241 were male i.e. 62.80% and 735 female ie (37.20%).

In Kochin Corporation out of 5258 deaths analysed, 3144 (59.79%) were male and 2114(40.21%) were female. In the previous year out of a total as 4031, male death reported were 2582(64.05%) and female 1449(35.95%) respectively .

In kozhikodu Corporation out 6955 deaths were analyzed. of this 4340 (62.40%) were male and 2615 (37.60%) were female.

In Alappuzha Municipality 2094 medically certified deaths were analyzed. Out of 2094 deaths, 1314(ie 62.75%)were male deaths and 780 ie (37.25%) female deaths respectively.

Major Diseases

I. Diseases of the circulatory system

Diseases of circulatory system has been identified as the first Major cause of death in Kollam Kochi Kozhikodu Corporations and Alappuzha Municipality. Total of deaths reported from the above centres was 6920(42.86%)

Percentage of deaths reported due to this disease during the year 2001, 55.65%, 46.46%, 35.73% and 46.23% respectively. ie from Kollam, Kochi, Kozhikkode Corporations and Alappuzha Municipality.

II. Endocrine, Nutritional And Metabolic Diseases And Immunity Disorders

This disease was reported from all Corporations and Municipality. The main diseases in this group are disorder of thyroid glands, Diabetes mellitus, disorder of glucose regulation and pancreatic internal secretions, disorder of endocrine glands, other nutritional deficiencies and all other endocrine metabolic diseases and immunity disorders. 1140 deaths were due to this illness were reported in the three Corporations and one Municipality. The number of deaths and its percentages are 261(14.18%), 323(6.14%), 345(4.96%), and 211(10.08%) in respect of Kollam, Kochi, Kozhikodu, and Alappuzha Municipality respectively.

III. Injury, Poisoning, And Certain Other Consequences Of External Causes

1051 persons were succumbed to injury and poisoning. Out of which 110 deaths were reported from Kollam, 220 from Kochi, 560 from Kozhikkode and 161 deaths were reported from Alappuzha Municipality

IV. Certain Infectious And Parasitic Diseases

This group comprises of the diseases Cholera, Typhoid, Parathyroid, Dysentery Diarrhea and Gastroenteritis T B of Lungs, Leprosy, Tetanus Neonatum and other Tetanus, Whooping cough, Polio mellitus and Rabbits.

The highest incidence of deaths due to this disease 565 was reported from Kozhikode Corporation. Of these 327 were male and 238 female out of 494 deaths reported in this disease. In Kochin Corporation 324 were male and 170 female. In Kollam Corporation out of 66 deaths reported 42 were male death and 24 were female. Out of 158 deaths reported from Alappuzha Municipality 90 were male and 68 were female deaths.

V. Neoplasm

The second major cause of deaths falls in this category. In Kollam Corporation 118 deaths were reported due to these diseases. Of this 73 were male deaths and the remaining females. In Kochin out of 515 deaths reported 318 were male and the remaining female. In Calicut, 570 male deaths were reported out of a total of 867 deaths. In Alapuzha out of 112 deaths 73 were male and remaining female.

VI. Diseases Of The Digestic System

Another major cause of death is diseases of the digestic system. Out of 54 deaths reported from Kollam 42 were male and the remaining were female. In Kochin out of 190 deaths reported male deaths were 151 and female 39. In Kozhikkode out of 427 deaths reported, 279 were male and 148 female. In Alapuzha Municipality, a total of 67 deaths reported. Of this Male were 48 and female 19.

VII. Diseases Of Respiratory System

Diseases of the respiratory system comprises of influenza, Pneumonia, Bronchitis, Broncholitits, Asthma etc. A total of 633 persons were reported to have been died due to this disease in Calicut corporation with 376 male and 257 female deaths. In Kollam a total of 50

deaths reported. of this male were 28 and remaining female. In Kochi out of a total of 507 deaths male were 312 and female 195. In Alapuzha Municipality 103 deaths were reported with male female break up of 58 and 45 respectively.

VIII. Diseases Of Genito Urinary System

Diseases of the Genito Urinary system is the next major cause of death. In Kollam Corporation out of 26 deaths 17 were male and 9 female. In Cochin, out of 220 deaths, 137 were male and 83 female. In Kozhikkode, out of 282 deaths 183 were male and 99 female. In Alapuzha Municipality out of 25 reported deaths male were 20 and female 5.

Death according to the age group

In all the Corporations and Alapuzha Municipality, the main cause of death in the age group below one year during the year was certain conditions originating in the perinatal period. In Kollam Corporation out of 117 infant deaths, 96 deaths were during perinatal period. Out of 96, 46 were boys and 50 girls. In Kozhikkode, out of 927 infant deaths reported male death was 506 and female 421. In Kochi a total of 371 infant deaths reported. Male deaths reported of this were 208 and female 163. In Alapuzha Municipality out of 172 infant deaths reported, Male were 103 and female 69. Out of this 135 deaths were occurred during perinatal period.

In the age group 1 to 14 main cause of death reported in Kollam was certain infections and Parasitics deseases, diseases of respiratory system, congenital malformation and injury, poisoning etc. In Kochi and Kozhikkode corporations major cause of the reported deaths was diseases of circulatory system In Kochi, out of 22 deaths male were 14 and female 8. In Kozhikkode 9 deaths have been reported in this age group. Diseases of infections and parasitic diseases are the main cause Out of 30, 12 were male and 18 female.

In the age group 15 to 44, the main cause of death reported was injury, poisoning and certain other consequences of external cause. In Kollam a total of 58 deaths were reported due to this disease. Of this male were 37 and female 21. In Kozhikkode a total of 299 deaths have been reported, of this diseases male were 166 and female 133. In Kochin Corporation in the age group 15-44 the main cause that lead to the death of majority of the people was Diseases of Circulatory system A total of 224 deaths were reported. Of this 132 were male and female 92.

In the Age group 45 and above the main cause deaths was Diseases of Circulatory System. In Kollam out of 964, male were 670 and female 294 .In Cochin out of 2156 male were 1232 and female 924. In Kozhikode out of 2103 deaths male were 1380 and female 723. In Alappuzha municipality out of 850 deaths male were 562 and female 288.

Conclusion

The disease of the circulatory system, the major group of cause of death emerged as the first one in all centres, viz, Kollam, Kochi, Kozhikode Corporation and Alappuzha municipality.

Health Scenario-Kerala

Leading Cause of Deaths in Selected Corporations/Municipality: KERALA - 2001

SLNO	CAUSE OF DEATH	No. ofDeaths	Perctage
1	Diseases of circulatory system	6920	42.86
2	Neoplasm	1612	9.98
3	Diseases of the Respiratory system	1293	8.01
4	Certain Infectious and parasitic diseases	1283	7.95
5	Endocrine ,Nutritional and metabolic Diseases	1140	7.06
6	Injury,poisoning and Certain other Consequences	1051	6.51
7	Certain Conditions Originating in the Perinatal Period	940	5.82
8	Diseases of the Digestic system	738	4.57
9	Diseases of Genito Urinary system	553	3.42
10	Diseases of Nervous system	410	2.54
11	Others	207	1.28
Total		16147	100.00

DEATH BY BROAD CAUSE GROUP

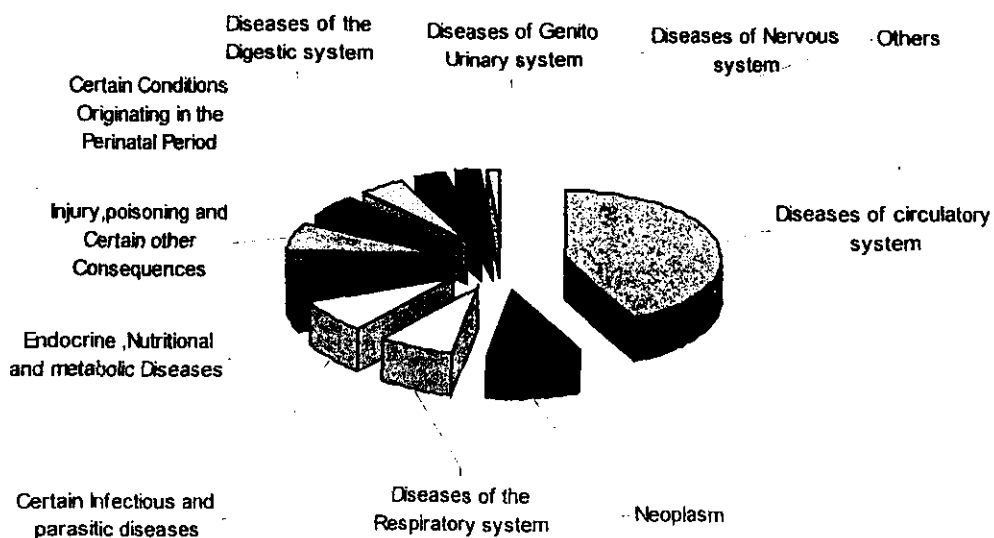


Table 1

Number of deaths due to major disease in Alappuzha Municipality, Kollam, Kochi and Calicut Corporations - 2001

No	Code	Description	Total		Alappuzha		Kollam		Kochi		Kozhikode	
			No	%	No	%	No	%	No	%	No	%
1	IX(100-199)	Diseases of the Circulatory System	6920	42.86	968	46.23	1024	55.65	2443	46.46	2485	35.73
2	IV(E00-E89)	Endocrine, Nutritional and Metabolic Diseases	1140	7.06	211	10.08	261	14.18	323	6.14	345	4.96
3	XIX(S00-T98)	Injury, poisoning and Certain other Consequences of External Causes	1051	6.51	161	7.69	110	5.98	228	4.18	560	8.05
4	I(A00-B99)	Certain infections and Parasitic Diseases	1283	7.95	158	7.55	66	3.59	494	9.40	565	8.12
5	XVI(P00-P96)	Certain Conditions originating in the Perinatal Period	940	5.82	137	6.54	98	5.33	200	3.80	505	7.26
6	II(C00-D48)	Neoplasms	1612	9.98	112	5.35	118	6.41	515	9.79	867	12.47
7	X(100-198)	Diseases of the Respiratory System	1293	8.01	103	4.92	50	2.72	507	9.64	633	9.10
8	XVII(R00-R99)	Syptoms, signs and abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	100	0.62	99	4.73	0	0.00	0	0.00	1	0.01
9	XI(K00-K92)	Diseases of the Digestive system	738	4.57	67	3.20	54	2.93	190	3.61	427	6.14
10	VI(G00-G98)	Diseases of the Nervous System	410	2.54	30	1.43	8	0.43	130	2.47	242	3.48
11	XIV(N00-N99)	Diseases of the Genitourinary System	553	3.42	25	1.19	26	1.41	220	4.18	282	4.05
12	III(D50-D89)	Diseases of the Blood and Blood-Forming Organs and Certain disorders involving the immune Mechanism	76	0.47	10	0.48	12	0.65	16	0.30	38	0.55
13	XVII(Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities	20	0.12	9	0.43	11	0.60	0	0.00	0	0.00
14	V(F01-F99)	Mental and Behavioral Disorder	6	0.04	4	0.19	2	0.11	0	0.00	0	0.00
15	VII(H00-H59)	Diseases of the Eye and Adnexa	1	0.01	0	0.00	0	0.00	0	0.00	1	0.01
16	XV(O00-O99)	Pregnancy Child birth and the Puerperium	4	0.02	0	0.00	0	0.00	0	0.00	4	0.06
17	XII(L00-L98)	Diseases of the Skin and Subcutaneous Tissue										
18	XIII(M00-M99)	Diseases of the Musculoskeletal System An Connective Tissue										
19	VIII(H60-H95)	Diseases of the Ear and Mastoid Porcess										
		Total	16147	100	2094	100	1840	100	6258	100	6955	100

TABLE - 2

**DEATHS BASED ON MAJOR DISEASES
ALAPPUZHA MUNICIPALITY -2001**

NO	Most Code ID	Description	Death	
			No	%
1	IX(100-199)	Diseases of the Circulatory System	968	46.23
2	IV(E00-E89)	Endocrine, Nutritional and Metabolic Diseases	211	10.08
3	XIX(S00-T98)	Injury, poisoning and Certain other Consequences of External Causes	161	7.69
4	I(A00-B99)	Certain infections and Parasitic Diseases	158	7.55
5	XVI(P00-P96)	Certain Conditions originating in the Perinatal Period	137	6.54
6	II(C00-D48)	Neoplasms	112	5.35
7	X(J00-J98)	Diseases of the Respiratory System	103	4.92
8	XI(K00-K92)	Diseases of the Digestive system	67	3.20
9	XVIII(R00-R99)	Syptoms, signs and abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	99	4.73
10	XIV(N00-N99)	Diseases of the Genitourinary System	25	1.19
11	VI(G00-G98)	Diseases of the Nervous System	30	1.43
12	XVII(Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities	9	0.43
13	III(D50-D89)	Diseases of the Blood and Blood-Forming Organs and Certain disorders involving the immune Mechanism	10	0.48
14	V(F01-F99)	Mental and Behavioural Disorder	4	0.19
15	XII(L00-L98)	Diseases of the Skin and Subcutaneous Tissue		
16	XIII(M00-M99)	Diseases of the Musculoskeletal System An Connective Tissue		
17	VII(H00-H59)	Diseases of the Eye and Adnexa		
18	XV(O00-O99)	Pregnancy, Children and the Puerperium		
19	VIII(H60-H95)	Diseases of the Ear and Mastoid Process		
		Total	2094	100

TABLE 3

SEXWISE DETAILS OF DEATHS
ALLAPPUZHA MUNICIPALITY -2001

No	Most CodeID	Description	Total		Male		Female	
			No	%	No	%	No	%
1	I(A00-B99)	Certain infections and Parasitic Diseases	158	7.55	90	6.85	68	8.72
2	II(C00-D48)	Neoplasms	112	5.35	73	5.56	39	5.00
3	III(D50-D89)	Diseases of the Blood and Bolld-Forming Organs and Certain disorders involving the immune Mechanism	10	0.48	4	0.30	6	0.77
4	IV(E00-E89)	Endocrine, Nutritional and Metabolic Diseases	211	10.08	123	9.36	88	11.28
5	V(F01-F99)	Mental and Behavioural Disorder	4	0.19	1	0.08	3	0.38
6	VI(G00-G98)	Diseases of the Nervous system	30	1.43	16	1.22	14	1.79
7	VII(H00-H59)	Diseases of the Eye and Adnexa						
8	VIII(H60-H95)	Diseases of the Ear and Mastoid Process						
9	IX(I00-I99)	Diseases of the Circulatory System	968	46.23	649	49.39	319	40.90
10	X(J00-J98)	Diseases of the Respiratory System	103	4.92	58	4.41	45	5.77
11	XI(K00-K92)	Diseases of the Digestive System	67	3.20	48	3.65	19	2.44
12	XII(L00-L98)	Diseases of the Skin and Subcutaneous Tissue						
13	XIII(M00-M99)	Diseases of the Musculoskeletal System An Connective Tissue	25	1.19	20	1.52	5	0.64
14	XIV(N00-N99)	Diseases of the Genitourinary System						
15	XV(O00-O99)	Pregnancy, Childbirth and the Puerperium						
16	XVI(P00-P96)	Certain Conditions Originating in the Perinatal Period	137	6.54	85	6.47	52	6.67
17	XVII(Q00-Q99)	Congenital Malformations, Deformations and Choromosomal Abnormalities	9	0.43	5	0.38	4	0.51
18	XVIII(R00-R99)	Symptoms, signs and abnormal Clinical and Laboratory Findings, not Elsewhere Classified	99	4.73	42	3.20	57	7.31
19	XIX(S00-T96)	Injury, Poisoning and Certain other Consequence of External Causes	161	7.69	100	7.61	61	7.82
	Total		2094	100	1314	100	780	100

Table 4

Death according to age Group

Alappuzha Municipality – 2001

Age Group	Nos.	%
Below 1 Year	172	8.21
1-14	46	2.20
15-44	205	9.79
45 and Above	1549	73.97
Not Stated	122	5.83
Total	2094	100

Table 5

Sexwise details of death in the Age Group below 1 Year
Alappuzha Municipality - 2001

No	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
1	(A00-B99)	Certain Infections and Parasitic Diseases	9	8.74	10	14.49	19	11.05
2	II(C00-D48)	Neoplasms	1	0.97	0	0.00	1	0.58
3	III(D50-D89)	Diseases of the Blood and Blood-Forming Organs and Certain disorders involving the immune Mechanism	0	0.00	0	0.00	0	0.00
4	IV(E00-E89)	Endocrine, Nutritional and Metabolic Diseases	0	0.00	0	0.00	0	0.00
5	V(F01-F99)	Mental and Behavioural Disorder	0	0.00	0	0.00	0	0.00
6	VI(G00-G98)	Diseases of the Nervous System	2	1.94	2	2.90	4	2.33
7	VII(H00-H59)	Diseases of the Eye and Adnexa					0	0.00
8	VIII(H60-H95)	Diseases of the Ear and Mastoid Process	4	3.88	1	1.45	5	2.91
9	IX(I00-I99)	Diseases of the Circulatory System	1	0.97	3	4.35	4	2.33
10	X(J00-J98)	Diseases of the Respiratory System	0	0.00	0	0.00	0	0.00
11	XI(K00-K92)	Diseases of the Digestive System					0	0.00
12	XII(L00-L96)	Diseases of the Skin and Subcutaneous Tissue					0	0.00
13	XIII(M00-M99)	Diseases of the Musculoskeletal System An Connective Tissue					0	0.00
14	XIV(N00-N99)	Diseases of the Genitourinary System	0	0.00	0	0.00	0	0.00
15	XV(O00-O99)	Pregnancy, childbirth and the Puerperium					0	0.00
16	XVI(P00-P96)	Certain Conditions Originating in the Perinatal Period	83	80.58	52	75.36	135	78.49
17	XVII(Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities	3	2.91	1	1.45	4	2.33
18	XVIII(R00-R99)	Symptoms, signs and abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	0.00	0	0.00	0	0.00
19	XIX(S00-T98)	Injury, Poisoning and Certain other Consequences of External Causes	0	0.00	0	0.00	0	0.00
		Total	103	100	69	100	172	100

Table 6
Sexwise details of death in the Age Group 1 to 14 years
Alappuzha Municipality -2001

No	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
1	I(A00-B99)	Certain Infections and Parasitic Diseases	3	13.04	6	26.09	9	19.57
2	II(C00-D48)	Neoplasms	1	4.35	1	4.35	2	4.35
3	III(D50-D69)	Diseases of the Blood and Blood-Forming Organs and Certain Disorders involving the immune Mechanism	1	4.35	2	8.70	3	6.52
4	IV(E00-E89)	Endocrine, Nutritional and Metabolic Diseases	0	0.00	0	0.00	0	0.00
5	V(F01-F99)	Mental and Behavioural Disorder	0	0.00	0	0.00	0	0.00
6	VI(G00-G98)	Diseases of the Nervous System	3	13.04	3	13.04	6	13.04
7	VII(H00-H59)	Diseases of the Eye and Adnexa	0	0.00	0	0.00	0	0.00
8	VIII(H60-H90)	Diseases of the Ear and Mastoid Process	0	0.00	0	0.00	0	0.00
9	IX(I00-I99)	Diseases of the Circulatory System	4	17.39	2	8.70	6	13.04
10	X(J00-J68)	Diseases of the Respiratory System	5	21.74	3	13.04	8	17.39
11	XI(K00-K92)	Diseases of the Digestive System	0	0.00	0	0.00	0	0.00
12	XII(L00-L96)	Diseases of the Skin and Subcutaneous Tissue	0	0.00	0	0.00	0	0.00
13	XIII(M00-M99)	Diseases of the Musculoskeletal System and Connective Tissue	0	0.00	0	0.00	0	0.00
14	XIV(N00-N99)	Diseases of the Genitourinary System	0	0.00	0	0.00	0	0.00
15	XV(O00-O99)	Pregnancy, Childbirth and the Puerperium	0	0.00	0	0.00	0	0.00
16	XVI(P00-P96)	Certain Conditions Originating in the Perinatal Period	2	8.70	0	0.00	2	4.35
17	XVII(Q00-Q99)	Congenital Malformations Deformations and Chromosomal Abnormalities	2	8.70	2	8.70	4	8.70
18	XVIII(R00-R99)	Symptoms, signs and abnormal Clinical and Laboratory Findings Not Elsewhere Classified	0	0.00	0	0.00	0	0.00
19	XIX(S00-T98)	Injury, poisoning and Certain Other Consequences of External Causes	2	8.70	4	17.39	6	13.04
		Total	23	100	23	100	46	100

Table 7
Sexwise details of the death in the Age Group 15-44 Years
Alappuzha Municipality – 2001

No	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
1	I(A00-B99)	Certain Infections and Parasitic Diseases	15	13.51	17	18.09	32	15.61
2	II(C00-D48)	Neoplasms	4	3.60	7	7.45	11	5.37
3	III(D50-D69)	Diseases of the Blood and Blood-Forming Organs and Certain Disorders involving the immune Mechanism	0	0.00	1	1.06	1	0.106
4	IV(E00-E89)	Endocrine, Nutritional and Metabolic Diseases	5	4.50	5	5.32	10	4.88
5	V(F01-F99)	Mental and Behavioural Disorder	1	0.90	1	1.06	2	0.98
6	VI(G00-G98)	Diseases of the Nervous System	5	4.50	1	1.06	6	2.93
7	VII(H00-H59)	Diseases of the Eye and Adnexa						
8	VIII(H60-H90)	Diseases of the Ear and Mastoid Process						
9	IX(I00-I99)	Diseases of the Circulatory system	31	27.93	13	13.83	44	21.46
10	X(J00-J98)	Diseases of the Respiratory System	1	0.90	4	4.26	5	2.44
11	XI(K00-K92)	Diseases of the Digestive System	3	2.70	3	3.19	6	2.93
12	XII(L00-L96)	Diseases of the Skin and Subcutaneous Tissue					0	0.00
13	XIII(M00-M99)	Diseases of the Musculoskeletal System and Connective Tissue					0	0.00
14	XIV(N00-N99)	Diseases of the Genitourinary System	2	1.80	2	2.13	4	1.95
15	XV(O00-O99)	Pregnancy, Childbirth and the Puerperium						
16	XVI(P00-P96)	Certain Conditions Originating in the Perinatal Period	0	0.00	0	0.00	0	0.00
17	XVII(Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities	0	0.00	0	0.00	0	0.00
18	XVIII(R00-R99)	Symptoms, signs and abnormal Clinical and Laboratory Findings Not Elsewhere Classified	0	0.00	0	0.00	0	0.00
19	XIX(S00-T98)	Injury, poisoning and Certain Other Consequences of External Causes	44	39.64	40	42.55	84	40.98
		Total	111	100	94	100	205	100

Table 8

Sexwise details of death in the Age Group 45 and above Years
Alappuzha Municipality - 2001

No	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
1	I(A00-B99)	Certain Infections and Parasitic Diseases						
2	II(C00-D48)	Neoplasms	56	5.61	29	5.27	85	5.49
3	III(D50-D69)	Diseases of the Blood and Blood-Forming Organs and Certain Disorders involving the immune Mechanism	66	6.61	25	4.55	91	5.87
4	IV(E00-E89)	Endocrine, Nutritional and Metabolic Diseases	3	0.30	3	0.55	6	0.39
5	V(F01-F99)	Mental and Behavioural Disorder	113	11.31	80	14.55	193	12.46
6	VI(G00-G98)	Diseases of the Nervous System	0	0.00	2	0.36	2	0.13
7	VII(H00-H59)	Diseases of the Eye and Adnexa	6	0.60	8	1.27	14	0.84
8	VIII(H60-H90)	Diseases of the Ear and Mastoid Process						
9	IX(I00-I99)	Diseases of the Circulatory system						
10	X(J00-J98)	Diseases of the Respiratory System	562	56.26	288	52.36	850	54.87
11	XI(K00-K92)	Diseases of the Digestive System	48	4.80	33	6.00	81	5.23
12	XII(L00-L96)	Diseases of the Skin and Subcutaneous Tissue	41	4.10	11	2.00	52	3.36
13	XIII(M00-M99)	Diseases of the Musculoskeletal System and Connective Tissue						
14	XIV(N00-N99)	Diseases of the Genitourinary System						
15	XV(O00-O99)	Pregnancy, Childbirth and the Puerperium	17	1.70	3	0.55	20	1.29
16	XVI(P00-P96)	Certain Conditions Originating in the Perinatal Period						
17	XVII(Q00-Q99)	Congenital Malformations Deformations and Chromosomal Abnormalities	0	0.00	0	0.00	0	0.00
18	XVIII(R00-R99)	Symptoms, signs and abnormal Clinical and Laboratory Findings Not Elsewhere Classified	0	0.00	0	0.00	0	0.00
19	XIX(S00-T98)	Injury, poisoning and Certain Other Consequences of External Causes	42	4.20	54	9.82	96	6.20
		Total	999	100	550	100	1549	100

Table 9
Death based on Major Disease
Kollam Corporation - 2001

No	Code	Description	Deaths	
			No	%
1	IX(100-199)	Disease of the Circulatory System	1024	55.65
2	IV(E00-E89)	Endocrine Nutritional and Metabolic Diseases	261	14.18
3	II(C00-D48)	Neoplasms	118	6.41
4	XIX(S00-T98)	Injury, poisoning and Certain Other Consequences of External Causes	110	5.98
5	XVI(P00-P96)	Certain Conditions Originating in the Perinatal Period	98	5.33
6	I(A00-B99)	Certain infections and Parasitic Diseases	66	3.59
7	XI(K00-K92)	Diseases of the Digestive System	54	2.93
8	X(J00-J68)	Diseases of the Respiratory System	50	2.72
9	XIV(N00-N99)	Diseases of the Genitourinary System	26	1.41
10	III(D50-D89)	Diseases of the Blood Forming Organs and certain disorder is involving the immune Mechanism	12	0.65
11	XVII(Q00-Q99)	Congenital Malformations Deformations and Choromosomal Abnorlities	11	0.60
12	VI(G00-G98)	Diseases of the Nervous System	8	0.43
13	V(F01-F99)	Mental and Behavioural Disorder	2	0.11
14	XVIII(R00-R99)	Symptoms, signs and abnormal Clinical and Laboratory Findings Not Elsewhere Classified		
15	XII(L00-L98)	Diseases of the Skin and Subcutaneous Tissue		
16	XIII(M00-M99)	Diseases of Musculoskeletal System An Connective Tissue		
17	VII(H00-H59)	Diseases of the Eye and Adnexa		
18	XV(O00-O99)	Pregnancy Child birth and the Puerperium		
19	VIII(H60-H95)	Diseases of the Ear and mastoid Process		
		Total	1840	100

Table-10
Sexwise details
Kollam Corporation-2001

No.	Most Code ID	Description	Total		Male		Female	
			No	%	No	%	No	%
1	I (A00-B98)	Certain Infectious and Parasitic diseases	66	3.59	42	3.50	24	3.76
2	II (C00-D48)	Neoplasm's	118	6.41	73	6.08	45	7.04
3	III (D50-D89)	Disease of The Blood and Boid-Forming Organs and certain disorders involving the immune Mechanism	12	0.65	8	0.67	4	0.63
4	IV (E00-E89)	Endocrine, Nutritional and Metabolic Diseases	261	14.18	155	12.91	106	16.59
5	V (F01-F99)	Mental and Behavioral Disorder	2	0.11	1	0.08	1	0.16
6	VI (G00-G98)	Disease of the Nervous System	8	0.43	2	0.17	6	0.94
7	VII (H00-H59)	Diseases of the Eye and Adnexa						
8	VIII (H60-H95)	Diseases of the Ear And Mastoid Process						
9	IX (I00-I99)	Diseases of the Circulatory System	1024	55.65	708	58.95	316	49.45
10	X (J00-J98)	Disease of the Respiratory System	50	2.72	28	2.33	22	3.44
11	XI (K00-K92)	Disease of the Digestive System	54	2.93	42	3.50	12	1.88
12	XII (L00-L98)	Disease of the Skin and Subcutaneous Tissue						
13	XIII (M00-M99)	Disease of the Musculoskeletal System An Connective Tissue						
14	XIV (N00-N99)	Diseases of the Genitourinary System	26	1.41	17	1.42	9	1.41
15	XV (O00-099)	Pregnancy, Childbirth and the Puerperium						
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period	98	5.33	47	3.91	51	7.98
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal abnormalities	11	0.60	5	0.42	6	0.94
18	XVIII (R00-R99)	Symptoms, Signs and Abnormal clinical and Laboratory Findings, Not Elsewhere Classified						
19	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequences of External Causes	10	5.98	73	6.08	37	5.79
		Total	1840	100	1201	100	639	100

Table -11
Death According to Age Group
Kollam Corporation - 2001

Age Group	Nos.	%
Below 1 Year	117	6.36
1-14	21	1.14
15-44	179	9.73
45 and above	1511	82.12
Not Stated	12	0.65
Total	1840	100

Table - 12
Sexwise details of death in the Age Group below 1 year
Kollam Corporation - 2001

No.	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
1	I (A00-B98)	Certain Infectious and Parasitic Diseases	3	5.26	5	8.33	8	6.84
2	II (C00-D48)	Neoplasm's	0	0.00	0	0.00	0	0.00
3	III (D50-D89)	Disease of The Blood and Boild-Forming Organs and certain disorders involving the immune Mechanism	0	0.00	0	0.00	0	0.00
4	IV (E00-E89)	Endocrine, Nutritional and Metabolic Diseases	0	0.00	0	0.00	0	0.00
5	V (F01-F99)	Mental and Behavioral Disorder	0	0.00	0	0.00	0	0.00
6	VI (G00-G98)	Disease of the Nervous System	0	0.00	0	0.00	0	0.00
7	VII (H00-H59)	Diseases of the Eye and Adnexa					0	0.00
8	VIII (H60-H95)	Diseases of the Ear And Mastoid Process					0	0.00
9	IX (I00-I99)	Diseases of the Circulatory System	0	0.00	3	5.00	3	2.56
10	X (J00-J98)	Disease of the Respiratory System	2	3.51	0	0.00	2	1.71
11	XI (K00-K92)	Disease of the Digestive System	1	1.76	0	0.00	1	0.85
12	XII (L00-L98)	Disease of the Skin and Subcutaneous Tissue					0	0.00
13	XIII (M00-M99)	Disease of the Musculoskeletal System An Connective Tissue					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary System	0	0.00	0	0.00	0	0.00
15	XV (O00-099)	Pregnancy, Childbirth and the Puerperium					0	0.00
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period	46	80.70	50	83.34	96	82.05
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal abnormalities	5	8.77	2	3.33	7	5.98
18	XVIII (R00-R99)	Symptoms, Signs and Abnormal clinical and Laboratory Findings, Not Elsewhere Classified					0	0.00
19	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequences of External Causes	0	0.00	0	0.00	0	0.00
		Total	57	100	60	100	117	100

Table-13
Sexwise details of death in the Age Group 1-14 Years
Kollam Corporation - 2001

No	Code	Descriptions	Male		Female		Total	
			No	%	No	%	No	%
1	I (A00-B99)	Certain Infectious and Parasitic Diseases	2	28.57	1	7.14	3	14.29
2	II (C00-D48)	Neoplasm's	0	0.00	0	0.00	0	0.00
3	III (D50-D89)	Disease of The Blood and Bold - Forming Organs and certain disorders Involving the immune Mechanism	1	14.29	0	0.00	1	4.76
4	IV (B00-B89)	Endocrine, Nutritional and Metabolic Diseases	0	0.00	0	0.00	0	0.00
5	V (F01-F99)	Mental and Behavioral Disorder	0	0.00	1	7.14	1	4.76
6	VI (G00-G98)	Disease of the Nervous System	0	0.00f	1	7.14	1	4.76
7	VII (H00-H59)	Diseases of the Eye and Adnexa					0	0.00
8	VIII (H60-H95)	Diseases of the Ear And Mastoid Process	1	14.29	1	7.14	2	9.52
9	IX (I00-199)	Diseases of the Circulatory System	1	14.29	2	14.29	3	14.29
10	X (J00-J98)	Disease of the Respiratory System					0	0.00
11	XI (K00-K92)	Disease of the Digestive System	0	0.00	0	0.00	0	0.00
12	XII (L00-L98)	Disease of the Skin and Subcutaneous Tissue						0.00
13	XIII (M00-M99)	Disease of the Musculoskeletal System An Connective Tissue						0.00
14	XIV (N00-N99)	Diseases of the Genitourinary System	0	0.00	0	0.00	0	0.00
15	XV (O00-O99)	Pregnancy, Childbirth and the Puerperium						0.00
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period	1	14.29	1	7.14	2	9.52
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal abnormalities	0	0.00	4	28.57	4	19.05
18	XVIII (R00-R99)	Symptoms, Signs and Abnormal clinical and Laboratory Findings, Not Elsewhere Classified						0.00
19	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequences of External Causes	1	14.29	3	21.43	4	19.05
		Total	7	100	14	100	21	100

Table 15
Sexwise details of death in the Group 45 and above years
Kollam Corporation-2001

No	Code	Descriptions	Male		Female		Total	
			No	%	No	%	No	%
1	I (A00-B99)	Certain Infectious and Parasitic Diseases	27	2.65	11	2.24	38	2.51
2	II (C00-D48)	Neoplasm's	62	6.08	38	7.74	100	6.62
3	III (D50-D89)	Disease of The Blood and Boid-Forming Organs and certain disorders Involving the immune Mechanism	7	0.69	2	0.41	9	0.60
4	IV (B00-B89)	Endocrine, Nutritional and Metabolic Diseases	150	14.71	98	19.96	248	16.41
5	V (F01-F99)	Mental and Behavioral Disorder	0	0.00	0	0.00	0	0.00
6	VI (G00-G98)	Disease of the Nervous System	1	0.10	4	0.81	5	0.33
7	VII (H00-H59)	Diseases of the Eye and Adnexa					0	0.00
8	VIII (H60-H95)	Diseases of the Ear And Mastoid Process					0	0.00
9	IX (I00-I99)	Diseases of the Circulatory System	670	65.69	294	59.88	964	63.80
10	X (J00-J98)	Disease of the Respiratory System	22	2.16	14	2.85	36	2.38
11	XI (K00-K92)	Disease of the Digestive System	36	3.53	11	2.24	47	3.11
12	XII (L00-L98)	Disease of the Skin and Subcutaneous Tissue					0	0.00
13	XIII (M00-M99)	Disease of the Musculoskeletal System An Connective Tissue					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary System	12	1.18	6	1.22	18	1.19
15	XV (O00-O99)	Pregnancy, Childbirth and the Puerperium					0	0.00
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period	0	0.00	0	0.00	0	0.00
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal abnormalities	0	0.00	0	0.00	0	0.00
18	XVIII (R00-R99)	Symptoms, Signs and Abnormal clinical and Laboratory Findings, Not Elsewhere Classified					0	0.00
19	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequences of External Causes	33	3.21	13	2.85	46	3.04
		Total	1020	100	491	100	1511	100

Table -14
Sexwise details of death in the Age Group 15 to 44 Years
Kollam Corporation-2001

No	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
1	I (A00-B99)	Certain Infectious and Parasitic Diseases	10	9.17	5	7.14	15	8.38
2	II (C00-D48)	Neoplasms	10	9.17	7	10.00	17	9.50
3	III (D50-D89)	Disease of The Blood and Blood-Forming Organs and certain disorders Involving the Immune Mechanism	0	0.00	2	2.86	2	1.12
4	IV (B00-B89)	Endocrine, Nutritional and Metabolic Diseases	4	3.67	8	11.43	12	6.70
5	V (F01-F99)	Mental and Behavioral Disorder	0	0.00	0	0.00	0	0.00
6	VI (G00-G98)	Disease of the Nervous System	1	0.92	1	1.43	2	1.12
7	VII (H00-H59)	Diseases of the Eye and Adnexa					0	0.00
8	VIII (H60-H95)	Diseases of the Ear And Mastoid Process					0	0.00
9	IX (I00-I99)	Diseases of the Circulatory System	35	32.11	16	22.66	51	28.49
10	X (J00-J98)	Disease of the Respiratory System	2	1.83	6	8.57	8	4.47
11	XI (K00-K92)	Disease of the Digestive System	5	4.59	1	1.43	6	3.35
12	XII (L00-L98)	Disease of the Skin and Subcutaneous Tissue					0	0.00
13	XIII (M00-M99)	Disease of the Musculoskeletal System An Connective Tissue					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary System	5	4.59	3	4.29	8	4.47
15	XV (O00-O99)	Pregnancy, Childbirth and the Puerperium					0	0.00
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period	0	0.00	0	0.00	0	0.00
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal abnormalities	0	0.00	0	0.00	0	0.00
18	XVIII (R00-R99)	Symptoms Signs and Abnormal clinical and Laboratory Findings, Not Elsewhere Classified					0	0.00
19	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequences of External Causes	37	33.94	21	30.00	58	32.40
		Total	109	100	70	100	179	100

Table-III a
Death based on Major
Disease Cochi Corporation -2001

No	Mast Code	Description	Deaths	
			No.	%
1	IX (I00-199)	Diseases of the Circulatory System	2443	46.46
2	I (A00-B99)	Certain Infectious and Parasitic Diseases	494	9.40
3	II (C00-D48)	Neoplasm's	515	9.79
4	X (J00-J98)	Disease of the Respiratory System	507	9.64
5	IV (E00-J98)	Endocrine, Nutritional and Metabolic Diseases	323	6.14
6	XI (K00-K92)	Diseases of the Digestive System	190	3.61
7	XIV (N00-N99)	Diseases of the Genitourinary System	220	4.18
8	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequences of External Causes	220	4.18
9	XVI (P00-96)	Certain Conditions Originating in the Perinatal Period	200	3.80
10	VI (G00-G98)	Disease of the Nervous System	130	2.47
11	III (D50-D89)	Disease of The Blood and Bolid-forming Organs and certain disorders involving the immune Mechanism	16	0.30
12	XIII (M00-M99)	Diseases of the Musculoskeletal System An Connective Tissue		
13	XII (L00-L98)	Diseases of the Skin and Subcutaneous Tissue		
14	XVIII (R00-R99)	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere classified		
15	VII (H00-H59)	Diseases of the Eye and Adnexa		
16	V (F01-f99)	Mental and Behavioral Disorder		
17	XV (O00-O99)	Pregnancy, Childbirth and the Puerperum		
18	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities		
19	VIII (H60-H95)	Diseases of the Ear and Mastoid Process		
		Total	5258	100

Table - III b
Sexwise details of deaths
Cochi Corporation -2001

No.	Mast Code ID	Description	Total		Male		Female		No	%
			No	%	No	%	No	%		
1	I (A00-B99)	Certain Infectious and Parasitic Diseases	494	9.40	324	10.31	170	8.04		
2	II (Co-00-D48)	Neoplasms	515	9.79	318	10.11	197	9.32		
3	III (D50-D89)	Disease of The Blood and Bolld-Forming Organs and certain disorders involving the immune	16	0.30	6	0.19	10	0.47		
4	IV (E00-E89)	Endocrine, Nutritional and metabolic Diseases	323	6.14	180	5.73	143	6.76		
5	V (F01-F99)	Mental and Behavioral Disorder	130	2.47	70	2.23	60	2.84		
6	VI (G00-G98)	Disease of the Nervous System								
7	VII (H00-H59)	Diseases of the Eye and Adnexa								
8	VIII (H60-H95)	Diseases of the Ear and Mastoid Process	2443	46.46	1405	44.69	1038	49.10		
9	IX (I00-I99)	Diseases of the Circulatory System	507	9.64	312	9.92	195	9.22		
10	X (J00-J98)	Disease of the Respiratory System	190	3.61	151	4.80	39	1.84		
11	XI (K00-K92)	Diseases of the Digestive System								
12	XII (L00-L98)	Diseases of the Skin and Subcutaneous Tissue								
13	XIII (M00-M99)	Diseases of the Musculoskeletal System An Connective Tissue	220	4.18	137	4.36	83	3.93		
14	XIV (N00-N99)	Diseases of the Genitourinary System								
15	XV (O00-O99)	Pregnancy, Childbirth and the Puerperium								
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period	200	3.80	109	3.47	91	4.30		
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities								
18	XVIII (R00-R99)	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified								
19	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequences of External Causes	220	4.18	132	4.20	88	4.16		
		Total	5258	100	3144	100	2114	100		

Table-III C
Death According to Age Group
Cochi Corporation - 2001

Age Group	Nos.	%
Below 1 year	371	7.06
1-14	60	1.14
15-44	623	11.85
45 and Above	4198	79.84
Not Stated	6	0.11
Total	5258	100

Table -III d
Sexwise details of death in the Age group Below 1 year
Cochi Corporation -2001

No.	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
1	I (A00-B99)	Certain infectious and Parasitic Diseases	29	13.94	27	16.56	56	15.09
2	II (C00-D48)	Neoplasm's	1	0.48	0	0.00	1	0.27
3	III (D50-D89)	Disease of The Blood and Boid-Forming and certain disorders involving the immune Mechanism	0	0.00	0	0.00	0	0.00
4	IV (e00-E89)	Endocrine, Nutritional and Metabolic Diseases	0	0.00	0	0.00	0	0.00
5	V (F01-F99)	Mental and Behavioral Disorder					0	0.00
6	VI (G00-G98)	Diseases of the Nervous System	7	3.37	4	2.45	11	2.96
7	VII (H00-H59)	Diseases of the Eye and adnexa					0	0.00
8	VIII (H60-H95)	Diseases of the ear and Mastoid Process					0	0.00
9	IX (I00-I99)	Diseases of the Circulatory System	27	12.98	14	8.59	41	11.05
10	X (J00-J98)	Disease of the Respiratory System	28	13.46	23	14.11	51	13.75
11	XI (K00-K92)	Diseases of the Digestive System	0	0.00	0	0.00	0	0.00
12	XII (L00-L98)	Diseases of the Skin and Subcutaneous Tissue					0	0.00
13	XIII (M00-M99)	Diseases of the Musculoskeletal System An Connective Tissue					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary System	2	0.96	2	1.23	4	1.08
15	XV (O00-O99)	Pregnancy, childbirth and the Puerperium					0	0.00
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period	109	52.40	91	55.83	200	53.91
17	XVII (R00-R99)	Congenital Malformations, Deformations and Chromosomal Abnormalities					0	0.00
18	XVIII (R00-R99)	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified					0	0.00
19	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequence of External Causes	5	2.40	2	1.23	7	1.89
		Total	208	100	163	100	371	100

Table IIIe
Sexwise details of Death in to Age Group 1-14years
Cochin Corporation -2001

No	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
			1	I(A00-B99)	1	3.03	6	22.22
2	II (C00-d48)	1	3.03	0	0.00	1	1.67	
3	III (D50-D89)	0	0.00	0	0.000	0	0.00	
4	IV (E00-E89)	0	0.00	0	0.00	0	0.00	
5	V (F01-99)							
6	VI (G00-096)							
7	VII (H00-59)	5	15.15	8	29.63	13	21.67	
8	VIII (H60+H95)							
9	IX (I00-199)							
10	X (J00-J96)	14	42.42	8	29.63	22	36.67	
11	XI (K00-K92)	10	30.30	4	14.81	14	23.33	
12	XII (L00-L96)	0	0.00	0	0.00	0	0.00	
13	XIII (M00-M99)							
14	XIV (N00-N99)							
15	XV (O00-O99)	0	0.00	0	0.00	0	0.00	
16	XVI (P00-P96)							
17	XVII (Q00-Q99)	0	0.00	0	0.00	0	0.00	
18	XVIII (R00-R99)							
19	XIX (S00-T96)	2	6.06	1	3.70	3	5.00	
	Total	33	100	27	100	60	100	

Table III F
Sexwise details of death in the Age Group 15 to 44 years
Cochi Corporation -2001

No	Code	Description	Male		Female		Total	
			NO	%	No	%	NO	%
1	I(A00-E99)	Certain infectious and Parasitic Diseases	58	15.06	25	10.50	83	13.32
2	B(C00-D48)	Neoplasms	25	6.49	18	7.56	43	6.90
3	III(D50-D99)	Diseases of The blood and Boild-Forming Organs and certain disorders involving the <i>immune Mechanism</i>	0.	0.00	2	0.84	2	0.32
4	IV(E00-E89)	Endocrine, Nutritional and metabolic Diseases	7	1.82	3	1.26	10	1.61
5	V(F01-F99)	Mental and behavioral Disorder					0	0.00
6	VI(G00-G98)	Disease of the Nervous system	11	2.86	7	2.94	18	2.89
7	VII(G00-H59)	Diseases of the Eye and Adnexa					0	0.00
8	VII(H60-H95)	Diseases of the Ear and Mastoid Process					0	0.00
9	IX(100-199)	Diseases of the Circulatory System	132	34.29	92	36.66	224	35.96
10	X(J00-J98)	Disease of the Respiratory system	30	7.79	15	6.30	45	7.22
11	X(K00-K92))	Disease of the Digestive System	34	8.83	5	2.10	39	6.26
12	XII(L00-L98)	Diseases of the Skin and Subcutaneous Tissu					0	0.00
13	XII(M00-M99)	Diseases of the Musculoskeletal System an Connective Tissue					0	0.00
14	XIV(N00-N99)	Disease of the Genitourinary system	32	8.31	18	7.56	50	8.03
15	XV(O00-O99)	Pregnancy Childbirth and the Puerperium					0	0.00
16	XVI(P00-P96)	Certain conditions Originating in the Peir natal period	0	0.00	0	0.00	0	0.00
17	XVII(Q00-G99)	Congenital Malformations, Deformations and Chromosomal Abnormalities					0	0.00
18	XVIII(R00-R99)	Symptoms Signs and abnormal Clinic and Laboratory Findings Not Elsewhere Classified					0	0.00
19	XIX(S00-T98)	Injury Poisoning and Certain other Consequences of External Causes	56	14.56	53	22.27	109	17.50
		Total	385	100	238	100	623	100

Table III G

Sexwise details of death in the Age Group 45 And above Year
Cochi Corporation 2001

No	Code	Descriptions	Male		Female		Total	
			No.	%	No.	%	No.	%
1	I(A00-B99)	Certain infectious and Parasitic Diseases	236	9.37	112	6.67	348	8.29
2	II (C00-D46)	Neoplasm	291	11.56	179	10.65	470	11.20
3	III (D50-D89)	Diseases of the Blood and Bold forming organs and certain disorders involving the immunes Mechanism	6	0.24	2	0.12	8	0.19
4	IV(E00-E89)	Endocrine Nutritional and metabolic Diseases	173	6.87	140	8.33	313	7.46
5	V (F01-f99)	Mental and Behavioral at Disorder					0	0.00
6	VI (G00-G98)	Disease of the Nervous System	47	1.87	41	2.44	88	2.10
7	VII (H00-H59)	Diseases of the Eye and Adnexa					0	0.00
8	VIII (H60-H95)	Diseases of Ear and Mastoid Process					0	0.00
9	IX (I00-I99)	Diseases of the Circulatory system	1232	48.93	924	55.00	2156	51.36
10	X (J00-J98)	Diseases of the Respiratory systems	244	9.69	153	9.11	397	9.46
11	XI (K00-92)	Diseases of the Digestive System	117	4.65	34	2.02	151	3.60
12	XII (L00-L98)	Diseases of the Skin and Subcutaneous Tissu					0	0.00
13	XIII (M00-M99)	Diseases of the Musculoskeletal system an connective Tissu					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary system	103	4.09	63	3.75	166	3.95
15	XV (O00-O99)	Pregnancy Childbirth and Puerperium					0	0.00
16	XVI (P00-P96)	Certain Conditions Originating in the perinatal period	0	0.00	0	0.00	0	0.00
17	XVII (Q00-Q99)	Congenital Malformations Deformations And Chromosomal Abnormities					0	0.00
18	XVIII (R00-R99)	Symptoms Signs and Abnormal Clinic and Laboratory Findings Not Elsewhere classified					0	0.00
19	XIX (S00-T90)	Injury Poisoning and Certain other Consequences of External Causes	69	2.74	32	1.90	101	2.41
		Total	2518	100	1680	100	4198	100

Table IV a

Deaths based on Major Diseases
Calicut Corporation – 2001

No	Most Code	Description	Deaths	
			No.	%
1	IX (I00-I99)	Diseases of the Circulatory System	2485	35.73
2	B (C00-D48)	Neoplasm	867	12.47
3	X (J00-J98)	Diseases of the Respiratory System	633	9.10
4	XIX (S00-T98)	Injury Poisoning and Certain other Consequences of External Causes	560	8.05
5	I (A00-B99)	Certain infectious and parasitic Diseases	565	8.12
6	XI (K00-K92)	Diseases of the Digestive System	427	6.14
7	XVI (P00-P98)	Certain Conditions originating in the perinatal period	505	7.26
8	IV (E00-E89)	Endocrine Nutritional and Metabolic Diseases	345	4.96
9	XIV (N00-N99)	Diseases of the Genitourinary System	282	4.05
10	VI (G00-G98)	Diseases of the Nervous System	242	3.48
11	III (D50-D89)	Diseases of the Blood and Blood-Forming Organs and certain disorders involving the immune Mechanism	38	0.55
12	XVIII (R00-R99)	Symptoms Signs and Abnormal Clinical and Laboratory Findings Not Else where Classified	1	0.01
13	XV (O00-O99)	Pregnancy Childbirth and the Puerperium	4	0.06
14	VII (H00-H59)	Diseases of the Eye and Adnexa	1	0.01
15	XIII (M00-M99)	Diseases of the Musculoskeletal System an Connective Tissue		
16	XII (L00-L96)	Diseases of the Skin and Subcutaneous Tissue		
17	V (F01-f99)	Mental and Behavioral Disorder		
18	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities		
19	VII (H60-H95)	Diseases of the Ear and Mastoid Process	6955	100
		Total		

Table IV b
Sexwise details of medically certified Deaths
Calicut Corporation --2001

No	Mast Code ID	Description	Total		Male		Female	
			No	%	No	%	No	%
1	I (A00-B99)	Certain infectious and Parasitic Diseases	565	8.12	327	7.53	238	9.10
2	II (C00-D48)	Neoplasm	867	12.47	570	13.13	297	11.36
3	III (D50-D89)	Disease of the Blood and Bold-Forming Organs and certain disorders involving the immune Mechanism	38	0.55	22	0.51	16	0.61
4	IV (E00-E89)	Endocrine Nutritional and Metabolic Diseases	345	4.96	206	4.75	139	5.32
5	V (F01-F99)	Mental and Behavioral Disorder						
6	VI (G00-G98)	Disease of the Nervous system	242	3.48	150	3.46	92	3.52
7	VII (H00-H59)	Diseases of the Eye and Adnexa	1	0.01	0	0.00	1	0.04
8	VIII (H60-H95)	Diseases of the Ear and Mastoid Process						
9	IX (I00-I99)	Diseases of the Circulatory system	2485	35.73	1599	36.84	886	33.88
10	X (J00-J98)	Diseases of the Respiratory system	633	9.10	376	8.66	257	9.83
11	XI (K00-K92)	Diseases of the Digestive System	427	6.14	279	6.43	148	5.66
12	XII (L00-L-98)	Diseases of the Skin and Subcutaneous Tissu						
13	XIIM.00-M99)	Diseases of the Musculoskeletal System An Connective Tissue						
14	XIV (N00-N-99)	Diseases of the Genitourinary System	282	4.05	183	4.22	99	3.79
15	XV (O00-O99)	Pregnancy Childbirth and the Puerperium	4	0.06	0	0.00	4	0.15
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period	505	7.26	277	6.38	228	8.72
17	XVII (Q00-Q99)	Congenital Malformations Deformations and Chromosomal Abnormalities						
18	XVIII (R00-R99)	Symptoms Signs and Abnormal Clinical and laboratory Findings Not elsewhere classified	1	0.01	1	0.02	0	0.00
19	XIX (S00-T98)	Injury Poisoning and Certain other Consequences of External Causes	560	8.05	350	8.06	210	0.03
		Total	6955	100	4340	100	2615	100

Table IV (c)
Death According to Age Group
Calicut Corporation - 2001

Age Group	Numbers	%
Below 1 year	927	13.33
1-14	241	3.47
15-44	1278	18.38
45 and Above	4509	64.83
Not Stated		
Total	6955	100

Table IV D
Sexwise details of death in the Age Group – below 1 Year
Calicut Corporation –2001

No	Code	Descriptions	Male		Female		Total	
			No.	%	No.	%	No.	%
1	I(A00-B99)	Certain infectious and Parasitic Diseases	42	8.30	36	8.55	78	8.41
2	II (C00-D48)	Neoplasm's	5	0.99	4	0.95	9	0.97
3	III (D50-D99)	Diseases of the Blood and Bolld- Forming Organs and certain disorders involving the immune Mechanism	1	0.20	3	0.71	4	0.43
4	IV (E00-E89)	Endocrine Nutritional and Metabolic Diseases	2	0.40	0	0.00	2	0.22
5	V (F01-F99)	Mental and behavioral Disorder					0	0.00
6	VI (G00-G98)	Diseases of the Nervous System	30	5.93	18	4.28	48	5.18
7	VII (H00-H69)	Diseases of the Eye and Adnexa	0	0.00	0	0.00	0	0.00
8	VIII (H60-H95)	Diseases of the Ear and Mastoid Process					0	0.00
9	IX (I00-I99)	Diseases of the Circulatory System	41	8.10	29	6.89	70	7.55
10	X (J00-J98)	Diseases of the Respiratory system	92	18.18	90	21.38	182	19.63
11	XI (K00-K92)	Diseases of the Digestive System	13	2.57	8	1.90	21	2.27
12	XII (L00-L98)	Diseases of the Skin and subcutaneous Tissues					0	0.00
13	XIII (M00-M99)	Diseases of the Musculoskeletal System an Connective Tissue					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary System	6	1.19	5	1.19	11	1.19
15	XV (O00-O99)	Pregnancy, Childbirth and the Puerperium	0	0.00	0	0.00	0	0.00
16	XVI (P00-P96)	Certain Conditions Originating in the perinatal period	274	54.15	226	53.68	500	53.94
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and chromosomal Abnormalities					0	0.00
18	XVII (R00-R99)	Symptoms Signs and Abnormal Clinical and laboratory Findings, Not Elsewhere classified	0	0.00	0	.00	0	0.00
19	XIX (S00-T98)	Injury, Poisoning and Certain other Consequences of External Causes	0	0.00	2	0.48	2	0.22
		Total	506	100	421	100	927	100

Table IV (e)
Sex wise details of death in the Age group 1 to 14 years
Calicut Corporation -2001

No.	Code	Description	Male		Female		Total	
			No	%	No	%	NO	%
1	I (A00-B99)	Certain infectious and Parasitic Diseases	12	8.96	18	16.82	30	12.45
2	II (C00-D48)	Neoplasm's	16	11.94	6	7.48	24	9.96
3	III (D50-D89)	Disease of the Blood and Boidl -Forming Organs and certain disorders involving the immune Mechanism	1	0.75	1	0.93	2	0.83
4	IV (E00-E89)	Endocrine Nutritional and Metabolic Diseases	1	0.75	0	0.00	1	0.41
5	V (F01-f99)	Mental and Behavioral Disorder					0	0.00
6	VI (G00-G98)	Disease of the Nervous System	17	12.69	16	14.95	33	13.69
7	VII (H00-H59)	Diseases of the Eye and Adnexa	0	0.00	1	0.93	1	0.41
8	VIII (H60-H95)	Diseases of the Ear and Mastoid process					0	0.00
9	IX (I00-I99)	Diseases of the Circulatory System	27	20.15	24	22.43	51	21.16
10	X (J00-J98)	Diseases of the Respiratory System	24	17.91	20	18.69	44	18.26
11	XI (K00-K92)	Diseases of the Digestive System	10	7.46	8	7.48	18	7.47
12	XII (L00-L96)	Diseases of the Skin and Subcutaneous Tissu					0	0.00
13	XIII (M00-M99)	Diseases of the Musculoskeletal system An Connective Tissue					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary System	2	1.49	3	2.80	5	2.07
15	XV(O00-O99)	Pregnancy Childbirth and the Puerperium	0	0.00	0	0.00	0	0.00
16	XVI (P00-P96)	Certain Conditions Originating in the Pen natal period	2	1.49	1	0.93	3	1.24
17	XVII (Q00-Q099)	Congenital Malformations, Deformations and Chromosomal Abnormalities					0	0.00
18	XVIII (R00-R99)	Symptoms, Signs and Abnormal Clinical and Laboratory Findings. Not Elsewhere Classified	0	0.00	0	0.00	0	0.00
19	XIX (S00-T98)	Injury, Poisoning and Certain other Consequences of External Causes	22	16.42	7	6.54	29	12.03
		Total	134	100	107	100	241	100

Table IV (F)
Sexwise details of death in the Age Group 15 to 44 years
Calicut Corporation - 2001

No.	Code	Description	Male		Female		Total	
			No	%	No	%	No	%
1	I (A00-B99)	Certain Infectious and parasitic Diseases	89	11.87	75	14.20	164	12.83
2	II (C00-D48)	Neoplasm	99	13.20	82	15.53	181	14.16
3	III (D50-D89)	Disease of the Blood and Bolld - Forming Organs and Certain Disorders involving the immune Mechanism	1	0.13	1	0.19	2	0.16
4	IV (E00-E89)	Endocrine Nutritional and Metabolic Diseases	28	3.73	14	2.65	42	3.29
5	V (F01-F99)	Mental and Behavioral Disorder					0	0.00
6	VI (G00-G98)	Disease of the Nervous System	37	4.93	20	3.79	57	4.46
7	VII (H00-H59)	Diseases of the Eye and Adnexa	0	0.00	0	0.00	0	0.00
8	VIII (H60-H95)	Diseases of the Ear and Mastoid Process					0	0.00
9	IX (I00-I99)	Diseases of the Circulatory System	151	20.13	110	20.83	261	20.42
10	X (J00-J98)	Diseases of the Respiratory System	67	8.93	37	7.01	104	8.14
11	XI (K00-K92)	Diseases of the Digestive System	66	8.80	28	5.30	94	7.36
12	XII (L00-L98)	Diseases of the Skin and Subcutaneous Tissue					0	0.00
13	XII (M00-M99)	Diseases of the Musculoskeletal System An Connective Tissue					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary System	45	6.00	23	4.36	68	5.32
15	XV (O00-O99)	Pregnancy, Childbirth and the Puerperium	0	0.00	4	0.76	4	0.31
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal period	1	0.13	1	0.19	2	0.16
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities					0	0.00
18	XVII (R00-R99)	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	0.00	0	0.00	0	0.00
19	XIX (S00-T98)	Injury, Poisoning and Certain Other Consequences of External Causes	166	22.13	133	25.19	299	23.40
		Total	750	100	528	100	1278	100

Table IV (g)
Sexwise details of death Age Group 45 and above
Calicut Corporation - 2001

No.	Code	Descriptions	Male		Female		Total	
			No	%	No	%	No	%
1	I(A00-B99)	Certain Infectious and Parasitic Diseases	184	6.24	109	6.99	293	6.50
2	II (C00-D48)	Neoplasms	450	15.25	203	13.02	653	14.48
3	III (D50-D89)	Disease of the Blood and Blood -Forming Organs and certain Involving the immune Mechanism	19	0.64	11	0.71	30	0.67
4	IV (E00-E89)	Endocrine, Nutritional and Metabolic Diseases	175	5.93	125	8.02	300	6.65
5	V (F01-F99)	Mental and Behavioral Disorder					0	0.00
6	VI (G00-G98)	Diseases of the Nervous System	66	2.24	38	2.44	104	2.31
7	VI (H00-H59)	Diseases of the Eye And Adnexa	0	0.00	0	0.00	0	0.00
8	VII (H60-H95)	Diseases of the Ear and Mastoid Process					0	0.00
9	IX (I00-199)	Diseases of the Circulatory System	1380	46.78	723	46.38	2103	46.64
10	X (J00-J98)	Diseases of the Respiratory System	193	6.54	110	7.06	303	6.72
11	XI (K00-K92)	Diseases of the Digestive System	190	6.44	104	6.67	294	6.52
12	XII (L00-L98)	Diseases of the Skin and Subcutaneous Tissue					0	0.00
13	XII (M00-M99)	Diseases of the Musculoskeletal System an Connective Tissue					0	0.00
14	XIV (N00-N99)	Diseases of the Genitourinary system	130	4.41	68	4.36	198	4.39
15	XV (O00-O99)	Pregnancy Childbirth and the Puerperium	0	0.00	0	0.00	0	0.00
16	XVI (P00-P96)	Certain Conditions Originating in the Perinatal Period					0	0.00
17	XVII (Q00-Q99)	Congenital Malformations, Deformations and Chromosomal Abnormalities					0	0.00
18	XVIII (R00-R99)	Injury, Poisonings and Certain Other Consequences of the External Causes	1	0.03	0	0.00	1	0.02
19	XIX (S00-T96)	Injury, Poisoning and Certain Other Consequences of External Causes	162	5.49	68	4.36	230	5.10
		Total	2950	100	1559	100	4509	100



