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Government of Kerala

Vital Statistics Bulletin

1998

Department of Economics and Statistics

Thiruvananthapuram

December 2002

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PREFACE

The bulletin presents the Vital Statistics of Kerala for the Calendar year 1998. The data relating to Vital events received from registering authorities viz., Panchayats, Municipalities and Corporations are processed and vital rates estimated.

This bulletin has been prepared by the vital statistics division of this Directorate.

A.MEERASAHIB
DIRECTOR

Thiruvananthapuram,
25 - 01 - 2003

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VITAL STATISTICS BULLETIN – 1998

Introduction

The registration of Births and Deaths in the State is governed by the Birth and Death Act, 1969 and the rules made there under. The act provides suitable machinery for the effective registration of births and deaths. Under the above act, the civil registration is controlled by the Director of Panchayat in the statutory capacity of Chief Registrar of Births and Deaths. The Additional Director of Economics is the Additional Chief Registrar of births and deaths. Other staffs involved in the system are Deputy Chief Registrar, District Registrars and Local Registrars. At the district level, the Assistant Directors of Panchayat and the concerned Secretaries of Municipalities and Corporations are the Districts Registrars. The Secretaries of Grama Panchayats and the Health Inspectors and Health Officers of the Municipalities and Corporations are local Registrars of the concerned registration units. In Kannur contonment, the Executive Officer is the Registrar of that registration unit. The data received from the registration units are compiled and analysed in the Vital Statistics Unit of the Directorate of Economics and Statistics.

Source of Data

According to Birth and Death Registration Act 1969, births and deaths are to be registered within 21 days after the occurrence of the events at the place of occurrence. Date of event, date of registration, sex, literacy, occupation, religion of father, age of mother, order of birth, etc. will be recorded at the time of registration. These details are then transferred to the prescribed birth, death and still birth cards from the concerned registers. These filled in cards are forwarded periodically to the Directorate of Economics and Statistics where the computerized data entry is made. Then the results are processed for further analysis.

Limitations of the data

The registration of Vital events is not complete since cases of under registration happened. This inadequacy and incompleteness have affected the quality of Vital Statistics badly. Moreover the birth and death rates in the urban areas are higher than that in the rural areas. This may be because of the shifting of people from rural areas to urban areas for availing the modern medical facilities. Also the ignorance of the informants reporting vital events may adversely affect the quality of data. All efforts are being made to make the public aware of the importance and necessity of registration of vital events and thus to improve the quality of the data reported.

Processing of the data

During the year 1998, 5.92 lakh birth cards and 1.86 death cards were received from the registration units. Data processing was done in the computer division of DES

Vital Rates:

1. Crude birth rate: - is the number of Live births per thousand populations for a single year.
2. Crude death rate:- is the number of deaths per thousand populations for a single year.
3. Infant death rate:- is the number of Infant deaths (below one year) per thousand live births per year.
4. Maternal death rate:- is the number of maternal deaths per thousand live births and still births.
5. Still birth rate:- is the number of still births per thousand live births and still births.

Birth and Birth Rates

During the reporting year, the details of 5.92 lakhs of registered live births comprising of 2.60 lakhs of rural births and 3.32 lakhs of urban births were analysed. Out of 5.92 lakhs of registered live births, 2.99 lakhs are registered male births and 2.93 lakhs are registered female births which comes to 50.5% and 49.5% respectively. Comparing to the registered live births of the year 1997, these registered live births of the year 1998 have decreased from 6.08 lakhs to 5.92 lakhs. The registered birth rate for the State during the year 1998 was 18.43 as against 19.19 during 1997. The vital rural rate was 9.39 in 1998 whereas that for 1997 was 9.73. Also the vital urban rate for 1998 and 1997 were 74.40 and 77.55 respectively. Malappuram comes in the first place having a vital birth rate of 25.84 during the year under report. Wayand was having the second place with 20.18 during 1998 and the lowest birth rate was 13.99 in Alappuzha district.

Death and death rate

The total number of death cards received and processed for the year 1998 were 1.86 lakhs out of which 1.29 were from rural areas and 0.57 lakhs were from urban areas. During the reporting year there are 1.02 lakhs male deaths and 0.84 lakhs female deaths. The registered death rate of the state for the year 1998 was 5.79 as against 5.25 of the previous year. This indicated a slight increase of 0.54 during the current year. On analysing the district wise death rates, it can be found that Thrissur stands first with death rate as 6.33 while Kozhikode comes to second place with 6.01 as death rate. The lowest death rate is at Idukki with 4.42 followed by Wayanad with 4.45.

Infant death rate

Infant death rates the death rate of infants having age of below one year per thousand live births. The total infant death registered during the year was 5326 as against 5510 of the previous year. Accordingly the infant death rate for 1998 was estimated as 9.00 as against 9.07 during 1997.

District wise breakup of infant death rates shows that Kozhikode has the highest infant death rate 17.97 whereas Wayanad has the lowest rate, 3.94.

Maternal death rate

The number of maternal deaths registered in the state during the year under report was 71 of which 56 were from rural areas and 15 from urban areas. This shows a decreasing trend compared to the previous year. The rate estimated was 0.12 (0.22 for rural and 0.04 for urban areas) for the state. No maternal deaths were reported from the urban areas of Pathanamthitta, Kottayam, Idukki and Wayanad.

Still birth rate

The total number of still births registered during the year was 2762 as against 3167 of the previous year. The estimated still birth rate during the year was 4.65 as against 5.18 of the previous year 1997. This rate shows a slight decrease compared to the rate of the previous year. Kozhikkode has the highest still birth rate 10.44 and Malappuram has the lowest rate 1.71

Conclusion

During the reporting year 1998, Malappuram has the highest birth rate and Idukki has the lowest death rate comparing to the previous year, the birth rate has been decreased while the death rate is increased by 0.54. Also all the vital rates in the urban areas are higher than that in the rural areas. Which concludes to the fact that better medical facilities are utilised by the people in the urban areas than that in the rural areas.

Table 1
TOTAL NUMBER OF LIVE-BIRTHS, DEATHS, STILL BIRTHS, INFANT DEATHS,
MATERNAL DEATHS AND THEIR RATES

District	Rural/ Urban	Estimated mid year population ('000)	Live Births			Deaths		
			Number	Rate		Number	Rate	
				1998	1997		1998	1997
1	2	3	4	5	6	7	8	9
Thiruvananthapuram	Rural	2529	12830	5.07	5.24	10118	4.00	3.62
	Urban	721	45644	63.31	65.00	10370	14.38	13.78
	Total	3250	58474	17.99	18.56	20488	6.30	5.89
Kollam	Rural	2428	24594	10.13	9.79	11067	4.56	4.17
	Urban	228	19319	84.73	87.61	2770	12.15	11.78
	Total	2656	43913	16.53	16.56	13837	5.21	4.81
Pathanamthitta	Rural	1188	8461	7.12	7.19	8589	5.77	4.56
	Urban	123	10330	83.98	90.91	1733	14.9	14.88
	Total	1311	18791	14.33	15.08	5859	6.55	5.53
Alappuzha	Rural	1855	5319	2.87	3.16	8848	4.77	4.21
	Urban	352	25559	72.61	70.87	4768	13.55	11.80
	Total	2207	30878	13.99	14.04	13616	6.17	5.43
Kottayam	Rural	1858	25802	13.89	13.03	12173	6.55	5.45
	Urban	159	10001	62.90	71.66	1567	9.86	8.94
	Total	2017	35803	17.75	17.71	13740	6.81	5.73
Idukki	Rural	1144	13997	12.24	12.43	4726	4.13	3.71
	Urban	45	5267	117.07	114.07	533	11.84	11.16
	Total	1189	19264	16.20	16.24	5259	4.42	3.98
Eranakulam	Rural	2203	9262	4.20	4.57	9613	4.36	4.18
	Urban	905	45419	50.19	52.89	9453	10.45	9.79
	Total	3108	54681	17.59	18.69	19066	6.13	5.82
Thrissur	Rural	2756	25356	9.20	9.94	15388	5.58	5.35
	Urban	264	31155	118.01	126.05	4131	15.65	16.45
	Total	3020	56511	18.71	20.19	19519	6.46	6.33
Palakkad	Rural	2348	27481	11.70	11.98	12096	5.15	4.34
	Urban	280	22345	79.80	80.25	2920	10.43	9.96
	Total	2628	49826	18.96	19.19	15016	5.71	4.93
Malappuram	Rural	3113	57867	18.59	18.88	12004	3.86	3.38
	Urban	303	30419	100.39	103.58	3358	11.08	8.54
	Total	3416	88286	25.84	26.35	15362	4.50	3.83
Kozhikode	Rural	2308	15024	6.51	7.38	8685	3.76	3.55
	Urban	582	40889	70.26	76.52	10050	17.27	15.70
	Total	2890	55913	19.35	21.37	18735	6.48	6.01
Wayanadu	Rural	714	11910	16.68	17.27	3019	4.23	3.91
	Urban	28	3063	109.39	118.48	286	10.21	8.89
	Total	742	14973	20.18	21.00	3305	4.45	4.09
Kannur	Rural	2134	10393	4.87	5.86	9697	4.54	4.06
	Urban	350	31211	89.17	91.05	3740	10.69	9.96
	Total	2484	41604	16.75	17.85	13437	5.41	4.89
Kasaragod	Rural	1059	11177	10.55	11.99	4573	4.32	4.10
	Urban	123	11414	92.80	97.71	1246	10.13	9.04
	Total	1182	22591	19.11	20.88	5819	4.92	4.61
State	Rural	27637	259473	9.39	9.73	128863	4.66	4.17
	Urban	4463	332035	74.40	77.55	56925	12.75	11.95
	Total	32100	591508	18.43	19.19	185788	5.79	5.25

Table 1 (Contd.)
TOTAL NUMBER OF LIVE BIRTHS, DEATHS, STILL BIRTHS, INFANT DEATHS,
MATERNAL DEATHS AND THEIR RATES

District	Rural/ Urban	Still Births			Infant Deaths			Maternal Deaths		
		No	Rate		No	Rate		No	Rate	
			1998	1997		1998	1997		1998	1997
1	2	10	11	12	13	14	15	16	17	18
Thiruvananthapuram	Rural	15	1.17	1.84	23	1.79	2.53	3	0.23	0.31
	Urban	387	8.41	7.81	731	16.02	16.52	2	0.04	0.02
	Total	402	6.83	6.51	754	12.89	13.46	5	0.08	0.08
Kollam	Rural	66	2.68	3.19	93	3.78	4.31	5	0.20	0.17
	Urban	10	0.52	1.20	169	8.75	7.51	1	0.05	0.10
	Total	76	1.73	2.28	262	5.97	5.78	6	0.14	0.14
Pathanamthitta	Rural	9	1.06	0.36	45	5.32	7.24	2	0.24	0.36
	Urban	43	4.15	5.02	80	7.74	12.08	-	-	-
	Total	52	2.76	3.01	125	6.65	9.99	2	0.11	0.15
Alappuzha	Rural	9	1.69	1.04	22	4.14	5.20	1	0.19	0.69
	Urban	151	5.87	6.25	214	8.37	10.40	1	0.04	0.08
	Total	160	5.15	5.27	236	7.64	9.42	2	0.06	0.20
Kottayam	Rural	171	6.58	5.55	312	12.09	10.48	4	0.15	0.13
	Urban	43	4.28	4.11	38	3.80	4.39	-	-	0.18
	Total	214	5.94	5.08	350	9.78	8.51	4	0.11	0.14
Idukki	Rural	60	4.27	3.34	183	13.07	10.55	3	0.21	0.29
	Urban	20	3.78	1.99	38	7.21	8.37	-	-	-
	Total	80	4.14	2.98	221	11.47	9.97	3	0.16	0.21
Eranakulam	Rural	46	4.94	5.21	23	2.48	6.45	2	0.21	0.50
	Urban	113	2.48	4.83	364	8.01	10.70	2	0.04	0.04
	Total	159	2.90	4.90	387	7.08	9.96	4	0.07	0.12
Thrissur	Rural	41	1.61	1.70	174	6.86	6.26	5	0.20	0.11
	Urban	289	9.19	7.81	425	13.64	15.08	2	0.06	0.06
	Total	330	5.81	5.08	599	10.60	11.12	7	0.12	0.08
Palakkad	Rural	50	1.82	2.23	119	4.33	4.53	7	0.25	0.14
	Urban	58	2.59	4.98	296	13.25	13.87	1	0.04	0.05
	Total	108	2.16	3.44	415	8.33	8.66	8	0.16	0.10
Malappuram	Rural	70	1.21	1.08	107	1.85	2.03	11	0.19	0.10
	Urban	81	2.66	4.76	377	12.39	10.73	1	0.03	0.10
	Total	151	1.71	2.36	484	5.48	5.05	12	0.14	0.10
Kozhikode	Rural	11	0.73	1.07	43	2.86	2.50	3	0.20	0.30
	Urban	579	13.96	15.34	962	23.53	17.83	3	0.07	0.09
	Total	590	10.44	11.45	1005	17.97	13.60	6	0.11	0.15
Wayanadu	Rural	52	4.35	6.28	39	3.27	3.94	4	0.33	0.16
	Urban	13	4.23	5.29	20	6.53	10.32	-	-	0.31
	Total	65	4.32	6.08	59	3.94	5.27	4	0.27	0.20
Kannur	Rural	52	4.98	6.84	49	4.71	4.78	3	0.29	0.24
	Urban	216	6.87	7.46	240	7.69	7.26	1	0.03	0.06
	Total	268	6.40	7.78	289	6.95	6.56	4	0.10	0.11
Kasaragod	Rural	11	0.98	1.12	30	2.68	5.51	3	0.27	0.32
	Urban	96	8.34	9.55	110	9.64	8.46	1	0.09	0.08
	Total	107	4.71	5.23	140	6.20	6.94	4	0.18	0.21
State	Rural	663	2.55	2.65	1262	4.86	4.97	56	0.22	0.20
	Urban	2099	6.28	7.13	4064	12.24	12.23	15	0.04	0.07
	Total	2762	4.65	5.18	5326	9.00	9.07	71	0.12	0.13

Table 2
CENSUS POPULATIONS OF DISTRICTS (RURAL, URBAN - SEXWISE)

(Population in Thousands)

Sl No	Districts	Population of Towns					Population of Towns	
		Total	Rural		Urban		Male	Female
			Male	Female	Male	Female		
1	2	3	4	5	6	7	8	9
1	Thiruvananthapuram	2947	1115	1156	333	343	333	343
2	Kollam	2408	1073	1112	110	113	110	113
3	Pathanamthitta	1188	501	532	75	80	62	67
4	Alappuzha	2001	809	853	167	172	155	161
5	Kottayam	1828	804	806	109	109	76	76
6	Iddukki	1078	526	511	20	21	20	21
7	Eranakulam	2817	950	950	459	458	387	382
8	Thrissur	2737	1190	1291	123	133	91	98
9	Palakkad	2382	1017	1081	139	145	139	145
10	Malappuram	3096	1381	1456	127	132	127	132
11	Kozhikode	2620	1051	1077	242	250	242	250
12	Wayanadu	672	330	319	12	11	0	0
13	Kannur	2252	919	966	180	187	113	116
14	Kasaragod	1072	476	489	53	54	53	54
	State	29098	12142	12599	2149	2208	1908	1958

Table 3

Total number of Live-Births, Still Births, Infant Deaths, Births, and Maternal Deaths in Corporations and Municipalities having a Population of 30000 and above

Sl No	Corporations/ Municipalities	Births	Male	Female	Deaths	M	F	Still	Infant	Maternal
1	2	3	4	5	6	7	8	9	10	11
1	Attingal	1072	588	484	205	101	104		-	-
2	Nedumangadu	1232	642	590	236	116	120		-	-
3	Neyyattinkara	2988	1513	1475	363	183	180		7	
4	Trivandrum Corporation	38700	19240	19460	9301	4632	4669		721	2
5	Varkala	1652	856	796	265	130	135		3	
6	Kollam	15520	7883	7637	2245	1232	1013		151	1
7	Paravur	406	191	215	153	92	61			
8	Punalur	3393	1644	1749	452	242	210		17	
9	Pathanamthitta	2985	1428	1557	398	192	206		15	
10	Thiruvalla	4667	2516	2151	957	463	494		54	
11	Alappuzha	12325	6531	5794	2838	1462	1376		173	1
12	Cherthala	3297	1629	1668	647	332	315		8	
13	Kayamkulam	4316	2174	2142	449	236	213		5	
14	Changanacherry	2604	1432	1172	281	146	135		9	
15	Koiltayam	3102	1681	1421	592	310	282		7	
16	Thodupuzha	5267	3532	1735	533	272	261		38	
17	Angamali	2878	1576	1302	599	322	277		41	
18	Kalamassery	2	1	1	153	86	67		-	
19	Kochi Corporation	19793	9626	10167	6258	3221	3037		329	2
20	Korhamangalam	4199	2112	2087	420	240	180		41	
21	Thrippunithura	3124	1568	1556	446	212	234		3	
22	Chalakkudy	3766	1889	1877	455	221	234		22	
23	Chavakkadu	1653	846	807	261	134	128		7	
24	Kodungalloor	4778	2398	2380	409	203	206		26	
25	Thrissur	16143	8271	7872	2307	1148	1159		9	2
26	Chittur-Thathamangalam	733	367	366	266	142	124		-	
27	Ottapalam	6690	3268	3422	613	306	297		75	
28	Palakkad	13960	7036	6924	1799	912	887		216	1
29	Shornur	962	436	526	242	136	106		2	
30	Malappuram	4858	2468	2390	385	198	187		27	
31	Namjeri	6863	3436	3427	895	446	449		121	
32	Perinthalamanna	9462	4632	4830	1203	630	573		178	
33	Ponnani	1365	630	735	269	140	129		5	
34	Tirur	7871	3762	4109	606	309	297		46	
35	Kozhikkodu Corporation	36280	19212	17068	8937	4898	4039		938	3
36	Vadakara	3549	1816	1733	719	360	359		24	
37	Kannur	4565	2289	2276	613	336	277		44	
38	Mattannur	2804	1501	1303	217	118	99		23	
39	Payyannur	5434	2735	2739	564	280	284		38	
40	Thalassery	11845	5896	5949	1762	891	871		100	1
41	Thaliparamba	4624	2401	2223	312	168	144		30	
42	Kanjangad	3906	1846	2060	626	346	280		45	1
43	Kasaragod	7508	3802	3706	620	316	304		65	

Table 4

Total number of Births, Deaths, Still Births, Infant ^{DEATH} ~~SBTs~~ and Maternal Deaths in Corporations and Municipalities having a Population of 30000 and above - District wise - 1998

Sl No	Districts	Births	Deaths	Still Births	Infant Deaths	Maternal Death
1	2	3	4	5	6	7
1	Thiruvananthapuram	45644	10370		731	2
2	Kollam	19319	2850		168	1
3	Pathanamthitta	7652	1355		69	-
4	Alappuzha	19938	3934		186	1
5	Kottayam	5706	873		16	-
6	Iddukki	5267	533		38	-
7	Eranakulam	29996	7876		414	2
8	Thrissur	26340	3432		64	2
9	Palakkad	22345	2920		293	1
10	Malappuram	30419	3358		377	-
11	Kozhikode	40889	9656		962	3
12	Wayanadu	-	-		-	-
13	Kannur	31211	3468		235	1
14	Kasaragod	11414	1246		110	1
	State	296140	51871		3663	14

Table 5

**TOTAL NO OF VITAL EVENTS AND ITS RATES IN CORPORATION/
MUNICIPALITIES 1998**

SI No	Corporations/ Municipalities	Live Births		Deaths		Still		Infant		Maternal	
		3	4	5	6	7	8	9	10	11	12
1	Attingal	1072	30.61	205	5.85			-	-		
2	Nedumangadu	1232	22.53	236	4.31			-	-		
3	Neyyattinkara	2988	92.27	363	11.21			7	2.34		
4	Trivandrum Corporation	38700	69.58	9301	16.72			721	18.63	2	0.05
5	Varkala	1652	38.33	265	6.15			3	1.82		
6	Kollam	15520	109.86	2245	15.89			151	9.73	1	0.06
7	Paravur	406	10.57	153	3.98			-	-	-	-
8	Punalur	3393	69.52	452	9.26			17	5.01		
9	Pathanamthitta	2985	78.18	398	10.42			15	5.03		
10	Thiruvalla	4667	81.74	957	16.76			54	11.57		
11	Adoor	2678	103.89	568	20.35			34	11.72		
12	Alappuzha	12325	69.16	2838	15.92			173	14.04	1	0.08
13	Cherthala	3297	72.41	647	14.21			8	2.43		
14	Kayamkulam	4316	60.13	449	6.26			5	1.16		
15	chengannur	1058	47.26	314	11.79			23	18.27		
16	Mavelikkara	4563	154.07	536	18.10			43	9.42		
17	Changanacherry	2604	49.31	281	5.32			9	3.46		
18	Kottayam	3102	49.84	592	9.51			7	2.26		
19	Palai	3062	138.65	336	15.21			41	13.39		
20	Vaikom	1233	65.01	252	11.31			10	6.90		
21	Theodupuzha	5267	117.87	533	11.93			38	7.21		
22	Angamali	2878	89.89	599	18.71			41	14.25		
23	Kalamassery	2	0.30	153	0.24						
24	Kochi Corporation	19793	32.69	6258	10.33			329	16.62	2	0.10
25	Kothamangalam	4199	112.22	420	11.22			41	9.76		
26	Thrippunithura	3124	54.50	446	7.78			3	0.96		
27	North Paravoor	3916	134.30	498	17.08			37	9.45		
28	Aluva	5197	212.90	499	20.44			40	7.70		
29	Perumbavoor	2823	111.08	354	13.93			36	12.75		
30	Moovattupuzha	3487	119.67	343	11.67			29	8.24		
31	Chalakkudy	3766	79.20	455	9.57			22	5.84		
32	Chavakkadu	1653	40.78	261	6.44			7	4.23		
33	Kodungalloor	4778	142.30	409	12.18			26	5.44		
34	Thrissur	16143	223.40	2307	31.93			9	0.56	2	0.12
35	Gunuvayoor	552	39.97	198	8.94			5	5.65		
36	Irinjalakkuda	1949	68.24	306	10.71			33	16.93		
37	Kunnamkulam	2314	116.76	298	15.04			16	6.91		

Table 5 (Contd.)

Sl No	Corporations/ Municipalities	Live Births		Deaths		Still		Infant		Maternal	
		3	4	5	6	7	8	9	10	11	12
38	Chittur- Thathamangalam	733	22.00	266	7.98			-	-	-	
39	Ottapalam	6690	94.22	613	8.63			75	11.21		
40	Palakkad	13960	105.00	1799	13.53			216	15.47	1	0.07
41	Shornur	962	22.29	242	5.61			2	2.08		
42	Malappuram	4858	83.05	385	6.58			27	5.56		
43	Nanjeri	6863	82.35	895	10.74			121	17.63		
44	Perinthalamanna	9462	208.99	1203	26.57			178	18.81	1	0.11
45	Ponnani	1365	23.10	269	4.55			5	3.66		
46	Tirur	7871	138.22	606	10.64			46	5.84		
47	Kozhikkodu Corporation	36280	82.55	8937	20.33			938	25.85	3	0.08
48	Vadakara	3549	44.83	719	9.08			24	6.76		
49	Kalpetta	3063	112.84	280	10.13			49	15.71		
50	Kannur	4565	66.53	613	8.93			44	9.64		
51	Mattannur	2804	58.44	217	4.52			23	8.20		
52	Payyannur	5434	74.89	564	7.77			38	6.99		
53	Thalassery	11845	148.42	1762	22.08			100	8.41	1	0.08
54	Koothuparamba	1939	59.25	312	8.38			5	2.58		
55	Thaliparamba	4624	106.46	272	7.18			30	6.49		
56	Kanjanad	3906	58.42	626	9.36			45	11.52	1	0.26
57	Kasaragod	7508	134.16	620	11.08			65	8.66		
58	Quilandy	1060		286				20	-	-	

TABLE 6
LIVE BIRTH BY TYPE OF ATTENTION AT DELIVERY 1998 - RURAL AND URBAN

SI No	Districts	Urban Towns with Population															
		Rural					Above 30000										
		Total	Institutional	Physician, Nurse & Trained midwife	Un-qualified mid wife	Others	Not reported	Institutional	Physician, Nurse & Trained mid-wife	Un-qualified mid wife	Others	Not reported					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Thiruvananthapuram	58474	12758	21	43	2	6						45386	246	8	1	3
2	Kollam	43913	24267	247	63	6	11						19149	148	16	4	2
3	Pathanamthitta	18791	8356	42	58	1	4	2658	13	4	2	1	7623	21	5	3	
4	Alappuzha	30878	5137	97	74	6	5	5594	19	8			19876	42	17		
5	Kottayam	35803	25752	31	14	2	3	4286	5	3	1		5687	13	4	1	1
6	Idukki	19264	13340	61	586	3	7						5221	31	8	5	2
7	Ernakulam	54681	9226	26	8	2	-	15412	8	2	1		29973	16	4	2	1
8	Thrissur	56511	25043	123	187	1	2	4811	3	1			26319	13	5	1	2
9	Palakkad	49826	25488	886	1098	6	3						22295	28	17	2	3
10	Malappuram	88286	46338	1281	10223	16	9						29764	227	424	2	2
11	Kozhikode	55913	14496	64	461	1	2						40849	26	14		
12	Wayanadu	14973	10445	627	784	31	23	2857	118	87		1	-	-	-	-	-
13	Kannur	41604	9748	213	431		1						31183	19	7	2	
14	Kasaragod	22591	9531	281	1342	17	6						11368	26	17	1	2
	State	591508	239925	4000	15372	94	82	35618	166	105	4	2	294693	856	546	24	21

TABLE -7
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF MOTHER
FOR THE STATE (RURAL) 1998

Order of Birth	LITERACY					Total
	Illiterate	Below Matriculation	Matriculation or Higher Secondary	Graduation or Above	Not reported	
1	2	3	4	5	6	7
01	1384	55436	48683	11267	158	116928
02	1261	42021	43245	7826	129	94482
03	947	19544	11327	1041	87	32946
04	563	6268	1946	118	36	8931
05	248	2885	519	17	24	3693
06	141	1179	97	1	11	1429
07	67	462	26	-	7	562
08	31	281	-	-	5	317
09	17	93	-	-	2	112
10	9	40	-	-	-	49
10 and above	6	15	-	-	-	21
NR	2	1	-	-	-	3
TOTAL	4676	128225	105843	20270	459	259473

TABLE-8
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF MOTHER
FOR THE STATE.(URBAN) 1998.

Order of Birth	LITERACY					Total
	Illiterate	Below Matriculation	Matriculation or Higher Secondary	Graduation and above	Not Reported	
1	2	3	4	5	6	7
01	1247	65463	81707	22782	46	171245
02	728	45936	54752	11843	27	113286
03	441	17082	14851	1726	14	34114
04	253	7072	2406	114	-	9845
05	124	1995	238	6	-	2363
06	87	745	24	-	-	856
07	23	226	-	-	-	249
08	14	43	-	-	-	57
09	2	11	-	-	-	13
10	-	7	-	-	-	7
11 and above	-	-	-	-	-	-
N.R	-	-	-	-	-	-
Total	2919	138580	153978	36471	87	332035

TABLE No.9

**LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF MOTHER
FOR THE STATE KERALA**

Order of Birth	LITERACY					Total
	Illiterate	Below Matriculation	Matriculation or Higher Secondary	Graduation or Above	Not reported	
1	2	3	4	5	6	7
01	2631	120899	130390	34049	204	288173
02	1989	87957	97997	19669	156	207768
03	1388	36626	26178	2767	101	67060
04	816	13340	4352	232	36	18776
05	372	4880	757	23	24	6056
06	228	1924	121	1	11	2285
07	90	688	26	-	7	811
08	45	324	-	-	5	374
09	19	104	-	-	2	125
10	9	47	-	-	-	56
11 and above	6	15	-	-	-	21
N.R	2	1	-	-	-	3
Total	7595	266805	259821	56741	546	591508

TABLE-10

**LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF FATHER
FOR THE STATE (RURAL) 1998**

Order of Birth	LITERACY					Total
	Illiterate	Below Matriculation	Matriculation or Higher Secondary	Graduation or Above	Not reported	
1	2	3	4	5	6	7
01	1648	53915	49341	11863	161	116928
02	1489	47018	38207	7641	127	94482
03	1063	18981	10323	2476	103	32946
04	567	5372	2584	347	61	8931
05	273	2436	907	43	34	3693
06	126	996	281	7	19	1429
07	48	433	73	-	8	562
08	29	268	16	-	4	317
09	11	98	2	-	1	112
10	2	46	-	-	1	49
11 and above	-	21	-	-	-	21
N.R	1	1	-	-	1	3
Total	5257	129585	101734	22377	520	259473

TABLE -11
LIVE BIRTH ACCORDING ^{To} OF BIRTH AND LITERACY OF FATHER FOR KERALA
1998 (URBAN)

Order of Birth	LITERACY					Total
	Illiterate	Below Matriculation	Matriculation or Higher Secondary	Graduation or Above	Not reported	
1	2	3	4	5	6	7
01	1283	67452	82773	19681	56	171245
02	881	43932	57893	10534	46	113286
03	496	16589	14729	2279	21	34114
04	184	5164	4076	415	6	9845
05	78	1266	962	55	2	2363
06	36	634	179	7	-	856
07	17	201	31	-	-	249
08	11	32	14	-	-	57
09	3	8	2	-	-	13
10	-	7	-	-	-	7
11 and above	-	-	-	-	-	-
N.R.	-	-	-	-	-	-
Total	2989	135285	160659	32971	131	332035

TABLE-12
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF FATHER
FOR THE STATE 1998

Order of Birth	LITERACY					Total
	Illiterate	Below Matriculation	Matriculation or Higher Secondary	Graduation or Above	Not reported	
1	2	3	4	5	6	7
01	2931	121367	132114	31544	217	288173
02	2370	90950	96100	18175	173	207768
03	1559	35570	25052	4755	124	67060
04	751	10536	6660	760	67	18774
05	351	3702	1869	100	36	6058
06	162	1630	460	14	19	2285
07	65	634	104	-	8	811
08	40	300	30	-	4	374
09	14	106	4	-	1	125
10	2	53	-	-	1	56
11 and above	-	21	-	-	-	21
N.R.	1	1	-	-	1	3
Total	8246	264870	262393	55348	651	591508

TABLE-13
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND OCCUPATION OF FATHER - KERALA (RURAL) 1998.

Order of Birth	Professional/ Technical/ related workers	Administrative, Management workers	Clerical workers	Sale workers	Service workers	Farmers, Fishermen, Hunters, Loggers	Production related workers Transport equipment labours	Others whose occupation is not elsewhere classified	Non- workers	Total
1	2	3	4	5	6	7	8	9	10	11
1	3849	756	5373	12952	4432	15079	69817	4273	397	116928
2	2536	519	2983	10768	2649	11731	60323	2754	219	94482
3	754	178	1726	4183	817	6435	17561	1146	146	32946
4	96	13	381	1227	259	1469	4987	457	42	8931
5	2	-	84	362	129	868	2024	218	6	3693
6	-	-	53	106	41	243	913	73	-	429
7	-	-	7	21	2	106	410	16	-	562
8	-	-	-	-	-	34	281	2	-	317
9	-	-	-	-	-	17	95	-	-	112
10	-	-	-	-	-	6	42	1	-	49
11 and above	-	-	-	-	-	2	19	-	-	21
N.R.	-	-	-	-	-	-	3	-	-	3
Total	7237	1466	10607	29619	8329	35990	156475	8940	810	259473

TABLE -14

LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND OCCUPATION OF FATHER KERALA (URBAN) 1998.

Order of Birth	Professional/ Technical/ related workers	Administrative, Management workers	Clerical workers	Safe workers	Service workers	Farmers, Fishermen, Hunters, Loggers	Production related workers Transport equipment labours	Others whose occupation is not elsewhere classified	Non- workers	Total
1	2	3	4	5	6	7	8	9	10	11
1	5347	1684	7826	20143	4631	12862	113229	4687	836	171245
2	3862	1178	6041	15354	3628	9243	70289	3264	427	113286
3	543	142	1136	4863	1641	3647	21483	631	28	34114
4	31	16	154	1649	523	786	6519	167	-	9845
5	2	-	43	516	76	147	1545	34	-	2363
6	-	-	7	98	16	24	702	9	-	856
7	-	-	2	42	9	14	181	1	-	249
8	-	-	-	13	2	6	36	-	-	57
9	-	-	-	-	-	2	11	-	-	13
10	-	-	-	1	-	-	6	-	-	7
11 and above	-	-	-	-	-	-	-	-	-	-
N.R.	-	-	-	-	-	-	-	-	-	-
Total	9785	3020	15209	42679	10526	26731	214001	8793	1291	332035

TABLE - 15

LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND OCCUPATION OF FATHER KERALA STATE 1998.

Order of Birth	Professional/ Technical/ related workers	Administrative, Management workers	Clerical workers	Sale workers	Service workers	Farmers, Fishermen, Hunters, Loggers	Production related workers Transport equipment labours	Others whose occupation is not elsewhere classified	Non- workers	Total
1	2	3	4	5	6	7	8	9	10	11
1	9196	2440	13199	33095	9063	27941	183046	8960	1233	288173
2	6398	1697	9024	26122	6277	20974	130612	6018	646	207768
3	1297	320	2862	9046	2458	10082	39044	1777	174	67060
4	127	29	535	2876	782	2235	11506	624	42	18776
5	4	-	127	878	205	1015	3569	252	6	6056
6	-	-	60	204	57	267	1615	82	-	2285
7	-	-	9	63	11	120	591	17	-	811
8	-	-	-	13	2	40	317	2	-	374
9	-	-	-	-	-	19	106	-	-	125
10	-	-	-	1	-	6	48	1	-	56
II and above	-	-	-	-	-	2	19	-	-	21
N.R	-	-	-	-	-	-	3	-	-	3
Total	17022	4486	25816	72298	18855	62721	370476	17733	2101	591508

TABLE - 16

LIVE BIRTH BY ORDER OF BIRTH AND AGE OF MOTHER - RURAL - 1998

Birth Order	AGE OF MOTHER									
	Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 and above	N.R	All Ages
1	2	3	4	5	6	7	8	9	10	11
1	4	23571	64827	24168	3741	589	28	-	-	116928
2	-	2463	46228	35526	9074	1172	19	-	-	94482
3	-	182	11664	16293	4037	758	12	-	-	32946
4	-	-	1541	4467	2386	489	43	5	-	8931
5	-	-	152	61456	1433	576	68	8	-	3693
6	-	-	7	337	526	504	46	9	-	1429
7	-	-	-	123	165	218	51	5	-	562
8	-	-	-	9	113	164	28	3	-	317
9	-	-	-	-	21	48	34	9	-	112
10	-	-	-	-	9	17	18	4	1	49
11 and above	-	-	-	-	2	5	11	2	1	21
N.R	-	-	-	-	-	1	1	-	-	3
Total	4	26216	124419	82380	21507	4541	359	45	2	259473

TABLE - 17

LIVE BIRTH BY ORDER OF BIRTH AND AGE OF MOTHER - URBAN - 1998.

Birth Order	AGE OF MOTHER									
	Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 and above	N.R	All Ages
1	2	3	4	5	6	7	8	9	10	11
1	-	26368	89621	46174	8507	569	6	-	-	171245
2	-	3343	47176	49011	13268	474	14	-	-	113286
3	-	86	10962	16323	6194	528	21	-	-	34114
4	-	-	1436	4641	3071	674	22	1	-	9845
5	-	-	73	1134	693	416	44	3	-	2363
6	-	-	14	239	392	173	36	2	-	856
7	-	-	1	16	91	121	16	4	-	249
8	-	-	-	2	11	34	9	1	-	57
9	-	-	-	-	2	9	2	-	-	13
10	-	-	-	-	-	4	1	2	-	7
11 and above	-	-	-	-	-	-	-	-	-	-
N.R	-	-	-	-	-	-	-	-	-	-
Total	-	29797	149283	117540	32229	3002	171	13	-	332035

TABLE - 18
LIVE BIRTH BY ORDER OF BIRTH AND AGE OF MOTHER - KERALA - 1998.

Birth Order	AGE OF MOTHER									
	Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 and above	N.R	All Ages
1	2	3	4	5	6	7	8	9	10	11
1	4	49939	154448	70342	12248	1158	34	-	-	288173
2	-	5806	93404	84537	22342	1646	33	-	-	207768
3	-	268	22626	32616	10231	1286	33	-	-	67060
4	-	-	2977	9108	5457	1163	65	6	-	18776
5	-	-	225	2590	2126	992	112	11	-	6056
6	--	-	21	576	918	677	82	11	-	2285
7	-	-	1	139	256	339	67	9	-	811
8	-	-	-	11	124	198	37	4	-	374
9	-	-	-	-	23	57	36	9	-	125
10	-	-	-	-	9	21	19	6	1	56
11 and above	-	-	-	-	2	5	11	2	1	21
N.R	-	-	-	1	-	1	1	-	-	3
Total	4	56013	273702	199920	53736	7543	530	58	2	591508

Table 19

Live Birth By Age Of Mother In Municipalities And Corporations - Kerala - 1998

Sl. No	Municipality/ Corporation	Age of Mother									Total
		Below 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & above	NR	
1	2	3	4	5	6	7	8	9	10	11	12
1	Neyyattinkara		668	719	676	906	16	3			2988
2	Trivandrum Corp		1888	17088	14823	4134	743	24			38700
3	Attingal		210	406	286	163	6	1			1072
4	Nedumangad		236	453	444	87	11	1			1232
5	Varkala		194	727	595	121	15				1652
6	Kollam		327	8419	5745	902	120	7			15520
7	Paravoor		106	138	96	62	3	1			406
8	Punalur		271	1802	1221	77	20	2			3393
9	Thiruvalla		310	2239	1980	114	22	2			4667
10	Adoor		239	286	1744	393	16				2678
11	Pathanamthitta		269	1352	1275	69	17	3			2985
12	Mavelikkara		373	2372	1643	153	21	2			4564
13	Kayamkulam		388	1542	1254	1101	28	3			4316
14	Cherthala		263	1714	1287	13	19	1			3297
15	Chengannur		198	398	353	96	11	2			1058
16	Alappuzha		167	6556	4164	1368	67	3			12325
17	Changanassery		234	1354	937	65	13	1			2604
18	Vaikam		122	652	422	24	13				1233
19	Palai		250	1382	1402	11	17				3062
20	Kottayam		279	1492	1306	6	17	2			3102
21	Kochi Corporation		409	9385	8366	1468	163	2			19793
22	Aluva		756	2418	1870	125	27	1			5197
23	Paravoor North		369	1403	1209	908	25	2			3916
24	Perumbavoor		254	1368	1116	67	15	3			2823

1	2	3	4	5	6	7	8	9	10	11	12
25	Kothamangalam		403	1629	1572	561	28	6			4199
26	Moovattupuzha		322	1483	1266	386	27	3			3487
27	Thrippunithura		368	1212	1026	494	18	6			3124
28	Kalamassery			2							2
29	Angamali		259	1254	776	565	21	3			2878
30	Thodupuzha		515	189	1896	2636	27	4			5267
31	Guruvayur		49	116	318	61	8				552
32	Kunnamkulam		308	949	933	113	11				2314
33	Thrissur		1553	9478	2581	2398	130	3			16143
34	Kodungallur		430	2628	1620	75	23	2			4778
35	Chalakkudy		439	1923	1356	23	24	1			3766
36	Irinjalakkuda		275	814	802	40	17	1			1949
37	Chavakkad		149	740	695	52	15	2			1653
38	Palakkad		373	6115	6455	894	119	2	2		13960
39	Ottappalam		602	3479	2208	369	30	2			6690
40	Chittoor-Thathamangalam		92	382	214	36	6	3			733
41	Shornur		87	500	321	42	8	4			962
42	Perinthalmanna		851	4820	2406	1334	45	6			9462
43	Ponnani		305	610	309	122	12	7			1365
44	Thirur		708	4093	2333	676	51	10			7871
45	Malappuram		537	2426	1249	599	33	12	2		4858
46	Manjeri		618	2369	2971	839	62	3	1		6863
47	Vadakara		319	745	2178	272	32	2	1		3549
48	Kozhikkode Corporation		3068	18125	12208	2398	477	4			36280
49	Kalpetta		645	715	874	797	28	3	1		3063
50	Thalassery		1627	5389	3903	751	163	10	2		11845
51	Payyannur		603	1926	1956	929	17	3			5434
52	Kannur		510	1474	1543	1014	17	3	4		4565
53	Thaliparambu		1686	1444	1219	237	38				4624
54	Mattannur		252	1058	1009	464	21				2804
55	Koothuparambu		274	508	698	442	17				1939
56	Kanjangad		301	2011	1466	113	15				3906
57	Kasaragod		2451	2604	2416		37				7508
58	Quilandy		38	408	549	64					1059
	Total		29797	149283	117540	32229	3002	171	13	0	332035

Table 20
Birth By Religion In The Corporations And Municipalities of Kerala – 1998

Sl. No.	Municipality/ Corporation	Hindu	Muslim	Christian	Others	Total
1	2	3	4	5	6	7
1	Neyyattinkara	1858	121	1009	-	2988
2	Trivandrum Corp	27907	5978	4772	43	38700
3	Attingal	730	337	5		1072
4	Nedumangad	889	190	153		1232
5	Varkala	1147	485	20		1652
6	Kollam	10485	3008	2027		15520
7	Paravoor	361	41	4		406
8	Punalur	2122	712	558	1	3393
9	Thiruvalla	1908	167	2592		4667
10	Adoor	1781	220	677		2678
11	Pathanamthitta	1503	396	1084	2	2985
12	Mavelikkara	3667	166	731		4564
13	Kayamkulam	2973	930	412		4315
14	Cherthala	2246	387	664		3297
15	Chengannur	681	42	335		1058
16	Alappuzha	7600	2075	2648	2	12325
17	Changanassery	1509	214	883		2606
18	Vaikam	1076	30	125		1231
19	Palai	1254	163	1645		3062
20	Kottayam	1673	179	1246	4	3102
21	Kochi Corporation	8830	3731	7230	2	19793
22	Aluva	2314	1912	965	6	5197
23	Paravoor North	2793	490	632	1	3916
24	Perumbavoor	1296	616	911		2823
25	Kothamangalam	1459	840	1900		4199
26	Moovattupuzha	1659	884	944		3487
27	Thrippunithura	2104	162	848	10	3124
28	Kalamassery	2				2
29	Angamali	977	141	1760		2878
30	Thodupuzha	2081	856	2328	2	5267
31	Guruvayur	338	284	29	1	652
32	Kunnamkulam	1069	972	273		2314
33	Thrissur	9265	3359	3519		16143
34	Kodungallur	3803	792	183		4778
35	Chalakkudy	2082	233	1451		3766
36	Irinjalakkuda	1321	275	352	1	1949
37	Chavakkad	722	782	49		1553
38	Palakkad	10758	2845	357		13960
39	Ottappalam	4356	2260	73	1	6690
40	Chittoor-Thathamangalam	648	74	11		733

1	2	3	4	5	6	7
41	Shornur	813	134	15		962
42	Perinthalmanna	2412	6870	180		9462
43	Ponnani	224	1120	21		1365
44	Thirur	3315	4234	320	2	7871
45	Malappuram	1583	3229	44	2	4858
46	Manjeri	2075	4642	145	1	6863
47	Vadakara	1141	2133	274	1	3549
48	Kozhikkode Corporation	20814	14157	1309		36280
49	Kalpetta	1353	1213	497		3063
50	Thalassery	7790	3594	458	3	11845
51	Payyannur	3788	1237	407	2	5434
52	Kannur	1821	2549	193	2	4565
53	Thaliparambu	2198	1854	572		4624
54	Mattannur	978	1402	423	1	2804
55	Koothuparambu	1213	460	266		1939
56	Kanjangad	1851	1578	477		3906
57	Kasaragod	2965	4325	215	3	7508
58	Quilandy	689	197	174		1060
	Total	188270	92277	51395	93	332035

TABLE - 21

LIVE BIRTH BY RELIGION IN KERALA (DISTRICTWISE) - 1998.

District	Births		Total births	Hindus	Muslims	Christian	Others
	Rural	Urban					
1	2	3	4	5	6	7	8
Trivandrum	12830	45644	58474	40445	9407	8567	55
Kollam	24594	19319	43913	27530	9514	6868	1
Pathanamthitta	8461	10330	18791	7928	2138	8719	6
Alappuzha	5319	25559	30878	21266	3823	5787	2
Kottayam	25802	10001	35803	16935	2032	16828	8
Idukki	13997	5267	19264	8437	2025	8797	5
Ernakulam	9262	45419	54681	26090	10560	18011	20
Thrissur	25356	31155	56511	32082	12372	12041	16
Palakkadu	27481	22345	49826	35064	13755	1004	3
Malappuram	57867	30419	88286	22408	64125	1745	8
Kozhikode	15024	40889	55913	27181	25551	3177	4
Wayanadu	11910	3063	14973	7112	4764	3092	5
Kannur	10393	31211	41604	22453	14679	4465	7
Kasargode	11177	11414	22591	9833	11288	1467	3
State	259473	332035	591508	304764	186033	100568	143

TABLE - 22
MONTH WISE DISTRIBUTION OF LIVE BIRTHS IN KERALA 1998
(RURAL/URBAN).

Sl. No.	MONTH	RURAL	URBAN	TOTAL
1	2	3	4	5
1	January	21789	28638	50427
2	February	19917	26256	46173
3	March	22920	29670	52590
4	April	21194	27525	48719
5	May	23739	31627	55366
6	June	20643	27785	48428
7	July	21623	27938	49561
8	August	21121	27942	49063
9	September	20962	27116	48078
10	October	22187	23834	46021
11	November	21248	27463	48711
12	December	22130	26241	48371
13	State	259473	332035	591508

TABLE - 23
SEX-RATIO OF LIVE BIRTHS IN KERALA (DISTRICTWISE) -1998.

DISTRICT	RURAL / URBAN	MALE	FEMALE	SEX-RATIO
1	2	3	4	5
Thiruvananthapuram	Rural	6483	6347	979
	Urban	22598	23046	1020
	Total	29081	29393	1011
Kollam	Rural	12286	12308	1002
	Urban	9828	9491	966
	Total	22114	21799	986
Pathanamthitta	Rural	4341	4120	949
	Urban	5345	4985	933
	Total	9686	9105	940
Alappuzha	Rural	2800	2519	900
	Urban	13078	12481	954
	Total	15878	15000	945
Kottayam	Rural	12708	13094	1030
	Urban	5075	4926	971
	Total	17783	18020	1013
Idukky	Rural	7120	6877	966
	Urban	2678	2589	967
	Total	9798	9466	966
Ernakulam	Rural	4785	4477	936
	Urban	23471	21948	935
	Total	28256	26425	935
Thrissur	Rural	12920	12436	963
	Urban	15376	15779	1026
	Total	28296	28215	997
Palakkad	Rural	14283	13198	924
	Urban	11575	10770	930
	Total	25858	23968	927
Malappuram	Rural	29145	28722	985
	Urban	15273	15146	992
	Total	44418	43868	988
Kozhikode	Rural	7573	7451	984
	Urban	20017	20872	1043
	Total	27590	28323	1027
Wayanad	Rural	6031	5879	975
	Urban	1582	1481	936
	Total	7613	7360	967
Kannur	Rural	5111	5282	1033
	Urban	15955	15256	956
	Total	21066	20538	975
Kasargode	Rural	5604	5573	994
	Urban	5719	5695	996
	Total	11323	11268	995
State	Rural	131190	128283	978
	Urban	167570	164465	981
	Total	298760	292748	980

TABLE - 24
MONTHWISE DISTRIBUTION OF DEATHS IN KERALA 1998 (RURAL / URBAN).

Sl. No.	Month	Rural	Urban	Total
1	2	3	4	5
1	January	10889	4633	15522
2	February	9663	4231	13894
3	March	11106	4906	16012
4	April	10141	4605	14746
5	May	12058	5462	17520
6	June	10768	4885	15653
7	July	10945	4821	15766
8	August	10810	4606	15416
9	September	10060	4602	14662
10	October	11052	4703	15755
11	November	10285	4695	14980
12	December	11086	4776	15862
	STATE	128863	56925	185788

TABLE -25
DEATH BY AGE AND SEX IN KERALA -- 1998

Sl. No	Age Group	RURAL			URBAN			TOTAL		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10	11
1	Below 1 year	697	565	1262	2152	1912	4064	2849	2477	5326
2	1 to 4 year	364	316	680	406	348	754	770	664	1434
3	5 to 14 year	589	439	1028	429	367	796	1018	806	1824
4	15 to 24 year	1248	1088	2336	1241	843	2084	2489	1931	4420
5	25 to 34 year	2263	1641	3904	2388	1356	3744	4651	2997	7648
6	35 to 44 year	3772	2214	5986	2539	1484	4023	6311	3698	10009
7	45 to 54 year	8541	6163	14704	4624	2063	6687	13165	8226	21391
8	55 to 64 year	12126	11847	23973	5473	3652	9125	17599	15499	33098
9	65 to and above	38789	34845	73634	13568	11821	25389	52357	46666	99023
10	Not reported	837	519	1356	146	113	259	983	632	1615
	Total	69226	59637	128863	32966	23959	56925	102192	83596	185788

TABLE -26
DEATH BY RELIGION IN KERALA (DISTRICTWISE)

DISTRICT	RURAL / URBAN	Hindus	Muslims	Christian	Others	Total
1	2	3	4	5	6	7
Thiruvananthapuram	Rural	7695	1057	1366	12	10118
	Urban	7916	1138	1300	16	10370
	Total	15611	2195	2666	28	20488
Kollam	Rural	7728	1487	1850	2	11067
	Urban	1747	643	380	-	2770
	Total	9475	2130	2231	2	13837
Pathanamthitta	Rural	3818	282	2745	11	6856
	Urban	826	109	797	1	1733
	Total	4644	391	3542	12	8589
Alappuzha	Rural	6318	541	1989	-	8848
	Urban	2924	731	1113	-	4768
	Total	9242	1272	3102	-	13616
Kottayam	Rural	7718	187	4266	2	12173
	Urban	890	64	613	-	1567
	Total	8608	251	4879	2	13740
Idukky	Rural	2489	338	1897	2	4726
	Urban	319	59	155	-	533
	Total	2808	397	2052	2	5259
Ernakulam	Rural	6718	988	1905	2	9613
	Urban	6451	1040	1960	2	9453
	Total	13169	2028	3865	4	19066
Thrissur	Rural	10645	1897	2844	2	15388
	Urban	2373	807	951	-	4131
	Total	13018	2704	3795	2	19519
Palakkad	Rural	9684	1880	526	6	12096
	Urban	2413	420	86	1	2920
	Total	12097	2300	612	7	15016
Malappuram	Rural	5122	6525	355	2	12004
	Urban	989	2237	132	-	3358
	Total	6111	8762	487	2	15362
Kozhikode	Rural	3424	4405	852	4	8685
	Urban	5633	3999	418	-	10050
	Total	9057	8404	1270	4	18735
Wayanad	Rural	1971	491	555	2	3019
	Urban	159	83	44	-	286
	Total	2130	574	599	2	3305
Kannur	Rural	4681	3876	1138	2	9697
	Urban	2630	963	146	1	3740
	Total	7311	4839	1284	3	13437
Kasargode	Rural	2144	1970	457	2	4573
	Urban	679	471	96	-	1246
	Total	2823	2441	553	2	5819
State	Rural	80155	25924	22745	39	128863
	Urban	35949	12764	8191	21	56925
	Total	116104	38688	30936	60	185788

TABLE - 27
DISTRIBUTION OF DEATH DUE TO SOME SPECIFIED DISEASES - 1998

Sl. No.	CAUSE OF DEATH	CODE	RURAL		URBAN		TOTAL				
			MALE	FEMALE	MALE	FEMALE	MALE	FEMALE			
1	2	3	4	5	6	7	8	9	10	11	12
1	Cholera	001	11	6	17	7	5	12	18	11	29
2	Typhoid and Paratyphoid	002	70	36	106	23	10	33	93	46	139
3	Food Poisoning	003	9	6	15	9	7	16	18	13	31
4	Dysandry and Diarrhoea, gastroenteritis	004, 006, 009	129	107	236	193	148	341	322	255	577
5	Tuberculosis	010, 015	984	468	1452	178	136	314	1162	604	1766
6	Leprosy	030	2	1	3	-	-	-	2	1	3
7	Diphtheria	032	3	2	5	1	1	2	4	3	7
8	Whooping cough	033	9	8	17	3	1	4	12	9	21
9	Tetanus	037	6	5	11	23	18	41	29	23	52
10	Polliomyelitis	045	14	7	21	5	3	8	19	10	29
11	Measles	055	18	11	29	18	13	31	36	24	60
12	Rabies	071	12	7	19	8	6	14	20	13	33
13	Malaria	084	34	22	56	19	12	31	53	34	87
14	Cancers	140-199	8881	6613	15494	3233	2657	5890	12114	9270	21384
14	Cancers	200-229									
14	Cancers	230-239									
15	Diabetes, Mellitus	250	1506	1386	2892	1193	797	1990	2099	2183	4882
16	Anaemias	280-285	45	76	121	48	69	117	93	145	238
17	Maningitis	320-322	57	47	104	31	37	68	88	84	172
		402									
18	Heart Descases, Heart Attack	410-444	18453	11845	30298	10216	7571	17787	28669	19416	48085
19	Pneumonica	480-486	136	81	217	126	94	220	262	175	437
20	Influenza	487	528	878	1406	27	19	46	555	897	1452
21	Bronchitics and Astma Crespiratory	490-493	5973	4891	10864	1963	1518	3481	7936	6409	14345
	Decased										

TABLE - 27 (Contd.)

1	2	3	4	5	6	7	8	9	10	11	12
22	Jaundica	782-784	206	180	386	74	49	123	280	229	509
23	Chronic Liver Diseases, Cirrhosis	571	379	262	641	241	173	414	620	435	1055
24	Ulcer of Stomach and Duodenum (Stomach Complaint)	531-578	353	331	684	97	65	162	450	396	846
25	Appendicitis	540-543	5	2	7	3	-	3	8	2	10
26	Syphilis and other diseases of Genitourinary system	580-629	1	-	1	-	-	-	1	-	1
27	Abortions	630-639	-	6	6	-	2	2	-	8	8
28	Complications Related to Pregnancy Childbirth	640-648 651-676	-	63	63	-	18	18	-	81	81
29	Certain conditions such as birth injuries, slow growth of foetus and prematurity originating imperminated pern	760-779	697	565	1262	2152	1912	4064	2849	2477	5326
30	Cerebrovascular (Paralysis)	430-438	1816	1338	3154	847	582	1429	2663	1920	4583
31	Senility	797	956	667	1623	785	551	1336	1741	1218	2959
32	Others not elsewhere classified	-	24049	26940	50989	9076	6119	15195	33125	33059	66184
EXTERNAL CAUSES											
33	Bites or stings of venomous animals	-	36	27	63	32	19	51	68	46	114
34	Accidental Burns	E-890-99	96	55	151	114	213	327	210	268	478
35	Falls, Drowning	E-880-88	283	174	457	147	64	211	430	238	668
36	Accidental poisoning	E-910	108	89	197	176	54	230	284	143	427
37	Transport (traffic) Accidents (Involving Railway, Boards, Aircraft, Motor Vehicles, Other Vehicles, Animals being ridden or Drawing Vehicles	E-910	1127	843	1970	1388	416	1804	2515	1259	3774
38	Other Accidents not elsewhere classified	E-910	81	35	116	112	34	146	193	69	262
39	Suicide	E-910	2149	1556	3705	394	565	959	2543	2121	4664
40	Homicide	E-910	4	1	5	4	1	5	8	2	10
TOTAL			69226	59637	128863	32966	23959	56925	102192	83596	185788

TABLE 28
INFANT DEATH BY SEX IN KERALA - 1998 (DISTRICT WISE)

District	Rural/Urban	Male	Female	Total
1	2	3	4	5
Thiruvananthapuram	Rural	15	8	23
	Urban	418	313	731
	Total	433	321	754
Kollam	Rural	57	36	93
	Urban	88	81	169
	Total	145	117	262
Pathanamthitta	Rural	31	14	45
	Urban	46	34	80
	Total	77	48	125
Alappuzha	Rural	13	9	22
	Urban	117	97	214
	Total	130	106	236
Kottayam	Rural	166	146	312
	Urban	18	20	38
	Total	184	166	350
Idukki	Rural	94	89	183
	Urban	20	18	38
	Total	114	107	221
Ernakulam	Rural	14	9	23
	Urban	153	211	364
	Total	167	220	387
Thrissur	Rural	97	77	174
	Urban	219	206	425
	Total	316	283	599
Palakkad	Rural	64	55	119
	Urban	166	130	296
	Total	230	185	415
Malappuram	Rural	58	49	107
	Urban	192	185	377
	Total	250	234	484
Kozhikode	Rural	24	19	43
	Urban	511	451	962
	Total	535	470	1005
Wayanad	Rural	22	17	39
	Urban	11	9	20
	Total	33	26	59
Kannur	Rural	26	23	49
	Urban	132	108	240
	Total	158	131	289
Kasaragod	Rural	16	14	30
	Urban	61	49	110
	Total	77	63	140
State	Rural	697	565	1262
	Urban	2152	1912	4064
	Total	2849	2477	5326

TABLE - 29
INFANT DEATHS BY AGE AND SEX IN KERALA - 1998

Sl. No	Age / Sex	RURAL			URBAN			TOTAL		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10	11
1	Under one week	459	381	840	1350	1138	2488	1809	1519	3328
2	One week and one month	118	88	206	361	348	709	479	436	915
3	One month to below 3 months	58	49	107	198	221	419	256	270	526
4	3 months to below 6 months	39	28	67	164	143	307	203	171	374
5	6 months to 12 months	23	19	42	79	62	141	102	81	183
6	Total	697	565	1262	2152	1912	4064	2849	2477	5326

TABLE - 30
MATERNAL DEATHS IN KERALA BY AGE AT DEATH - 1998

Sl. No.	Age at Death	Rural		Urban	
			Town with population 30,000 and above	All other urban Areas	Total for all Areas
1	2	3	4	5	6
1	Below 15 years	-	-	-	-
2	15 - 19	4	1	-	5
3	20 - 24	13	2	-	15
4	25 - 29	24	4	1	29
5	30 - 34	11	3	-	14
6	35 - 39	3	2	1	6
7	40 - 44	1	1	-	2
8	45 and above	-	-	-	-
9	Not reported	-	-	-	-
	TOTAL	56	13	2	71

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