



Government of Kerala



Vital Statistics Bulletin  
1996

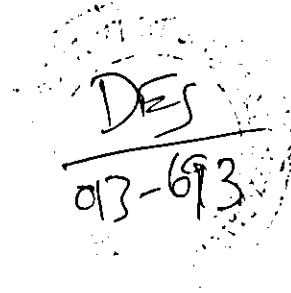
Department of Economics and Statistics

Thiruvananthapuram

December 2000



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# **Vital Statistics Bulletin**

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## *Preface*

The Vital Statistics Bulletin presents the Vital Statistics of Kerala for the year 1996. The vital rates estimated in this report is based on the birth and death cards received from the registration units of Kerala.

The data entry works of the birth and death cards were carried out in the Computer division of this office. This bulletin has been prepared by the Vital Statistics division of the Department.

A. Meera Sahib  
DIRECTOR

Thiruvananthapuram,  
13<sup>th</sup> November 2000.



## VITAL STATISTICS BULLETIN 1996

### **Introduction**

The data on vital events comprises the data from the registers of Births and Deaths, maintained by the civil governments. When these data from the Civil Registration System are assembled, they are referred to as 'Vital Statistics' – which is one of the major tools in the hands of demographers and planners for analysing the composition of population.

### **An overview of the System**

The vital Registration System in the State was enungiated by the Birth and Death Act of 1969 and by the Rules framed thereunder. The Act provides for suitable machinery for the effective registration system and for the formulation of the Vital Statistics thereon. Under these Acts, the civil registration in the State is controlled by the Director of Panchayats in the statutory capacity of the Chief Registrar of Births and Deaths. The Additional Director (General) of Economics and Statistics is the Additional Chief Registrar of Births and Deaths. As the district level, the Assistant Directors of Panchayats and respective Secretaries of Municipalities and Corporations function as District Registrars. The Secretaries of the Grama Panchayats and the Health Inspectors, and Health Officers of the Corporations and Municipalities are the local registrars of the respective registration units. In the Kannur contonment, the Executive officers is the Registrar. The data relating to vital events received from the registering authorities are processed and analysed in the Vital Statistics Unit of the Directorate of Economics and Statistics.

This bulletin presents the results of the analysis of vital statistics for the years 1996.

### **Conceptual and Empirical Framework**

As per the Births and Deaths Registration Act, births and deaths are to be registered within 21 days after the occurrence of the events at the place of occurrence. The details of each event, such as date of event, date of registration, sex, literacy, occupation and religion of father, age of mother, order of birth, etc. are recorded at the time of registration. These details are then transformed 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 and the results are processed for further analysis.

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## **Limitations of the Data**

### **Accuracy and Validity Examined**

The registrations of vital events are less completed and consistent than demographers might wish. The problem arises because of several cases of under registration. This inadequacy and incompleteness has affected the quality of vital statistics. The events that occur in a town will relate to those that occur to normal residents or to those outsiders who come to the town to avail better medical facilities. As a matter of fact, a good number of events to rural population, which occur, in the urban hospitals are reported as urban events. Sometimes the ignorance of the informants reporting vital events may adversely affect the quality of the data. Despite these inconsistencies and short comings, the vital registration system is the most complete record of vital events available. All efforts are being made to make the public aware of the importance and necessity of registration of vital events and to improve the quality of the data reported.

### **Processing of the Data**

The data contains 5.86 lakhs birth cards and 1.72 lakhs death cards for the year 1996 received in the Directorate are processed for further analysis.

### **Vital Rates: Conceptual Perspective**

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 population 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 material deaths per thousand live births and still births added together.
5. *Still birth rate* – is the number of still births per thousand live births and still births added together.

(In the above 1<sup>st</sup> and 2<sup>nd</sup> cases, the population used is the estimated mid-year population).



## **Birth and Death Rates**

During the year under report, details of 5.86 lakhs of registered live births comprising of 2.52 lakhs rural births and 3.34 lakhs urban births were analysed. Out of this 5.86 lakhs, the male births pick up the share of 3.00 lakhs and female births came at 2.86 lakhs respectively (ie.51% and 49% respectively). The number registered births during the year has increased from that of the previous year's figure of 5.58 lakhs to the present 5.86 lakhs. The registered birth rate for the state during the year 1996 was 18.76 as against 18.09 during 1995. The rural and urban rates were 9.37 and 76.44 respectively, as against 9.41 and 70.71 during the previous year. Malappuram district recorded the highest birth rate during the year also with 25.69 compared to the previous year's birth rate of 24.63. Other districts those top in the tank of birth rates are – Kozhikode (22.68), Wayanad (20.23), Palakkad (19.33) and Kasaragod (19.16). All these are the northern districts of the State and exceeds the state average of 18.76. The lowest birth-rate district is Alappuzha (13.42) followed by Pathanamthitta (15.97), Kollam (16.33) and Idukki (16.99).

## **Deaths and Death Rates**

The total number of death cards received and processed for the year 1996 were 1.72 lakhs out of which 1.16 were from rural areas and 0.56 lakhs were from urban areas. Out of these male deaths comes at 0.98 lakhs and female death form 0.74 lakhs. (ie. 57% and 43% respectively) The registered death rate of the state for the year 1996 was 5.51 as against 5.28 of the previous year. This indicated a slight rise of 0.23 during the current year over the previous year. The rural and urban breakups were 4.33 and 12.71 respectively. On analysing the district wise death rates, it could be found that, the Kozhikode tops first with 6.87 followed by Thiruvananthapuram with 6.31 and Kottayam with 6.12. In the lowest edge of death rates, Malappuram ranks first with 4.10 followed by Idukki with 4.12.

## **Infant Death Rates**

It is the death rate of infants of the age of below one year per thousand live births. Infant mortality rate in Kerala is the lowest one compared to the National level, which around 74 per thousand during 1994. In Kerala this rate persisted around 10 during the period of 5 years after the 1991 Census. This is the direct result of the outstanding health care and medical facilities available in the State. The total infantdeaths registered during the year was 5588 as against 5664 of the previous year. Accordingly, the infant death rate for 1996 was estimated at 9.53 as against 10.15 during 1995. This manifest a commendable social aspect of

a descending trend in infant mortality rate had set in over a few years since the last census. The rural and urban split up of this was worked out at 5.77 and 12.36 respectively. Another noteworthy feature of infant mortality in Kerala is that the male deaths is greater than the female deaths with 3037 and 2551 respectively out of the total male births of 3.00 lakhs and female births of 2.86 lakhs.

District wise break-up of infant death rates ranges from the highest 14.34 of the Kozhikode district to the lowest 5.34 of the Malappuram district.

### ***Maternal Death Rates***

The number of maternal deaths registered in the state during the year under report was 62. Of which 47 were from rural areas and 15 were from urban areas. The rates estimated were 0.19 and 0.04 respectively for rural and urban area it was 0.11 for the whole state. The estimated maternal death rate for the state is higher than the previous year's rate of 0.07. No maternal deaths were reported from the urban areas of Pathanamthitta, Idukki and Kannur.

### ***Still Birth Rate***

The total number of still births registered during the year was 3026 as against 3210 of the previous year. The estimated still birth rate during the year was 5.14 as against 5.72 of the previous year of 1995. District wise break up reveals that still birth rates of the districts ranges between the top 9.08 of the Kasaragod and the lowest 2.71 of the Malappuram.

### ***Conclusion***

Malappuram has the highest birth rate as well as the lowest death rate. Birth rate showed a slight increase during the year when compared to that of the previous year. Where as in the rural area it showed a slight decrease. There is also a slight increase in death rate compared to the previous year's rate. All the vital rates were higher in the urban area compared to rural area. This further contributes to emphasis the fact that, the registration is defects and that the better medical facilities available in the urban areas being utilized by the rural people also.

## Vital Statistics at a Glance

Year	Birth rate	Death rate	Infant death rate	Still birth rate	Maternal death rate
1991	19.08	5.37	11.32	6.08	0.09
1992	17.67	5.49	9.84	5.29	0.03
1993	17.67	5.38	10.48	5.05	0.02
1994	17.52	5.38	10.41	5.12	0.06
1995	18.09	5.28	10.15	5.72	0.07
1996	18.76	5.51	9.53	5.14	0.11

**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 1996	Rates		Number 1996	Rates	
				1995	1996		1995	1996
1	2	3	4	5	6	7	8	9
Thiruvananthapuram	Rural	2455	11511	4.57	4.69	9684	3.61	3.94
	Urban	709	44829	62.15	63.23	10275	13.43	14.49
	Total	3164	56340	17.51	17.81	19959	5.82	6.31
Kollam	Rural	2359	23740	10.26	10.06	10125	4.07	4.29
	Urban	227	18496	75.72	81.48	2675	11.04	11.78
	Total	2586	42236	16.06	16.33	12800	4.69	4.95
Pathanamthitta	Rural	1154	9986	8.21	8.65	5550	5.39	4.81
	Urban	122	10392	80.12	85.18	1779	13.58	14.58
	Total	1276	20378	15.12	15.97	7329	6.18	5.74
Alappuzha	Rural	1801	6298	4.32	3.50	8275	4.41	4.59
	Urban	348	22543	58.85	64.78	4141	10.72	11.90
	Total	2149	28841	13.24	13.42	12416	5.44	5.74
Kottayam	Rural	1804	23181	12.52	12.85	10485	5.76	5.81
	Urban	159	11337	62.86	71.30	1521	9.43	9.57
	Total	1963	34518	16.65	17.58	12006	6.06	6.12
Idukki	Rural	1114	14713	11.54	13.21	4306	3.65	3.87
	Urban	44	4957	109.02	112.66	469	10.93	10.66
	Total	1158	19670	15.21	16.99	4775	3.92	4.12
Ernakulam	Rural	2134	9338	4.26	4.38	8584	4.00	4.02
	Urban	887	44950	46.33	50.68	9006	9.64	10.15
	Total	3021	54288	17.13	17.97	17590	5.72	5.82
Thrissur	Rural	2678	22153	9.75	8.27	13064	5.49	4.88
	Urban	262	31365	112.34	119.71	4136	10.93	15.79
	Total	2940	53518	18.98	18.20	17200	6.52	5.85
Palakkad	Rural	2291	27204	11.76	11.87	11568	4.78	5.05
	Urban	268	22260	84.99	83.06	2782	10.20	10.38
	Total	2559	49464	19.35	19.33	14350	5.34	5.61
Malappuram	Rural	3036	53578	17.74	17.65	10453	3.27	3.44
	Urban	290	31858	97.33	109.86	3173	9.95	10.94
	Total	3326	85436	24.63	25.69	13626	3.85	4.10
Kozhikode	Rural	2241	16350	7.25	7.30	8121	3.47	3.62
	Urban	573	47470	67.48	82.84	11223	14.91	19.59
	Total	2814	63820	19.59	22.68	19344	5.81	6.87
Wayanad	Rural	696	11087	14.67	15.93	3030	3.91	4.35
	Urban	26	3521	109.88	135.42	255	7.78	9.81
	Total	722	14608	18.15	20.23	3285	4.05	4.55
Kannur	Rural	2076	11926	5.53	5.74	8732	3.87	4.21
	Urban	342	29162	87.65	85.27	3123	9.31	9.13
	Total	2418	41088	17.13	16.99	11855	4.63	4.90
Kasaragod	Rural	1033	10777	10.20	10.43	4518	3.93	4.37
	Urban	118	11271	93.65	95.52	1050	8.74	8.90
	Total	1151	22048	18.75	19.16	5568	4.42	4.84
State	Rural	26877	251842	9.41	9.37	116495	4.23	4.33
	Urban	4375	334411	70.71	76.44	55608	11.64	12.71
	Total	31252	586253	18.09	18.76	172103	5.28	5.51

(table 1 contd.)

District	Rural/ Urban	Still births			Infant deaths			Maternal deaths		
		Number	Rates		Number	Rates		Number	Rates	
			1995	1996		1995	1996		1995	1996
I	2	10	11	12	13	14	15	16	17	18
Thiruvananthapuram	Rural	12	1.44	1.04	37	2.89	3.21	3	0.27	0.26
	Urban	346	6.15	7.66	754	15.20	16.82	1	0.05	0.02
	Total	358	5.20	6.31	791	12.71	14.04	4	0.09	0.07
Kollam	Rural	78	3.34	3.27	134	3.73	5.64	4	0.08	0.17
	Urban	54	4.42	2.91	173	10.58	9.35	1	0.06	0.05
	Total	132	3.79	3.12	307	6.59	7.27	5	0.07	0.12
Pathanamthitta	Rural	4	1.60	0.40	22	3.53	2.20	2	0.11	0.20
	Urban	58	5.74	5.55	119	11.14	11.45	-	-	-
	Total	62	3.72	3.03	141	7.41	6.92	2	0.05	0.10
Alappuzha	Rural	16	3.25	2.53	29	4.69	4.60	4	0.26	0.63
	Urban	151	6.08	6.65	233	13.08	10.33	2	0.05	0.09
	Total	167	5.31	5.79	262	10.67	9.08	6	0.11	0.21
Kottayam	Rural	109	8.07	4.68	270	19.68	11.65	3	0.09	0.13
	Urban	54	4.88	4.74	50	4.20	4.41	1	-	0.09
	Total	163	7.08	4.70	320	14.88	9.27	4	0.06	0.12
Idukki	Rural	55	3.30	3.72	113	9.86	7.68	3	0.16	0.20
	Urban	17	4.67	3.42	49	11.52	9.89	-	-	-
	Total	72	3.67	3.65	162	10.30	8.23	3	0.11	0.15
Erana-kulam	Rural	34	3.73	3.63	28	2.95	3.00	4	0.23	0.43
	Urban	209	5.33	4.63	512	10.13	11.39	2	0.02	0.04
	Total	243	5.06	4.46	540	8.89	9.95	6	0.06	0.11
Thrissur	Rural	75	4.56	3.37	183	7.85	8.26	5	0.08	0.22
	Urban	326	11.20	10.29	495	17.05	15.78	2	0.07	0.06
	Total	401	8.11	7.44	678	12.75	12.67	7	0.07	0.13
Palakkad	Rural	67	2.77	2.46	137	4.70	5.04	3	0.11	0.11
	Urban	79	5.76	3.54	202	11.09	9.07	1	0.04	0.04
	Total	146	4.14	2.94	339	7.61	6.85	4	0.08	0.08
Mala-ppuram	Rural	92	1.48	1.71	127	3.32	2.37	6	0.08	0.11
	Urban	140	3.39	4.38	330	12.37	10.36	2	0.04	0.06
	Total	232	2.14	2.71	457	6.42	5.35	8	0.06	0.09
Kozhikode	Rural	35	0.56	2.14	79	1.44	4.83	5	0.06	0.31
	Urban	509	14.53	10.61	836	22.01	17.61	1	0.03	0.02
	Total	544	10.46	8.45	915	15.96	14.34	6	0.04	0.09
Wayanad	Rural	60	5.14	5.38	122	10.33	11.00	2	0.30	0.18
	Urban	6	2.10	1.70	39	8.05	11.08	1	-	0.28
	Total	66	4.47	4.50	161	9.83	11.02	3	0.23	0.20
Kannur	Rural	86	14.85	7.16	78	15.08	6.54	2	0.17	0.17
	Urban	152	5.25	5.18	221	7.14	7.58	-	-	-
	Total	238	7.94	5.76	299	9.35	7.28	2	0.05	0.05
Kasaragod	Rural	53	6.59	4.89	95	3.46	8.82	1	0.19	0.09
	Urban	149	12.52	13.05	121	12.68	10.74	1	0.09	0.09
	Total	202	9.63	9.08	216	8.18	9.80	2	0.14	0.09
State	Rural	776	3.86	3.07	1454	6.49	5.77	47	0.12	0.19
	Urban	2250	7.22	6.68	4134	13.11	12.36	15	0.04	0.04
	Total	3026	5.72	5.14	5588	10.15	9.53	62	0.07	0.11

Table 2 - Census Population of Districts – Rural, Urban – Sex wise

(Population in '000)

Sl No	District	Population of towns				Population of towns 10,000 & above		
		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	Idukki	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	Wayanad	672	330	319	12	11	-	-
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 No. of Live Births, Deaths, Still Births, Infant Deaths & Maternal Deaths in Corporations and Municipalities having Population of 30,000 & above**

Sl No	Corporations/ Municipalities	Births			Deaths			Still Births	Infant deaths	Maternal deaths
		Male	Female	Total	Male	Female	Total			
1	2	3	4	5	6	7	8	9	10	11
1	Neyyattinkara	1745	1323	3068	198	129	327	3	3	-
2	Nedumangad	783	720	1503	128	96	224	-	-	1
3	Thiruvananthapuram Corpn.	18722	17890	36612	4691	4618	9309	327	743	-
4	Attingal	964	869	1833	96	67	163	9	1	-
5	Varkala	926	887	1813	143	109	252	7	7	-
6	Kollam	7529	7065	14594	1320	810	2130	46	152	-
7	Paravoor	220	211	431	84	55	139	-	1	1
8	Punalur	1684	1787	3471	266	140	406	8	20	-
9	Pathanamthitta	1475	1370	2845	229	111	340	18	14	-
10	Thiruvalla	2754	2636	5390	607	471	1078	16	81	-
11	Alappuzha	5792	5392	11184	1311	1176	2487	114	176	1
12	Cherthala	1304	1208	2512	286	204	490	8	14	-
13	Kayamkulam	1752	1633	3385	214	170	384	5	6	-
14	Changanassery	1562	1438	3000	139	133	272	1	7	-
15	Kottayam	1951	1797	3748	381	252	633	30	11	1
16	Thodupuzha	2598	2359	4957	308	161	469	17	49	-
17	Angamali	1556	1438	2994	346	227	573	1	46	-
18	Kalamassery	1	-	1	65	52	117	-	-	-
19	Kochin Corpn.	9863	9404	19267	3619	2148	5767	113	324	1
20	Kothamangalam	2310	1860	4170	290	166	456	31	38	-
21	Thrippunithura	1612	1530	3142	264	158	422	-	9	-
22	Chalakkudy	2037	1868	3905	279	136	415	6	34	-
23	Chavakkad	982	942	1922	245	111	256	13	10	-
24	Kodungallur	2595	2582	5177	283	153	436	7	24	-
25	Thrissur	7512	7915	15427	1220	1135	2355	267	410	1
26	Chittur-Thathamangalam	759	727	1486	149	107	256	8	8	-
27	Ottappalam	4037	2955	6992	348	243	611	7	14	1
28	Palakkad	6996	5947	12943	893	788	1681	60	179	-
29	Shornur	410	429	839	138	96	234	4	1	-
30	Malappuram	2971	2925	5896	229	151	380	19	41	1
31	Manjeri	3500	3376	6876	453	321	774	79	129	-
32	Perinthalmanna	5000	4530	9530	699	516	1215	26	103	1
33	Ponnai	517	490	1007	130	104	234	5	-	-
34	Thirur	4435	4114	8549	349	221	570	11	57	-
35	Kozhikode Corp.	19478	20248	39726	6049	4202	10251	483	796	-
36	Quilandy	688	591	1279	163	152	315	1	3	1
37	Vadakara	3257	3208	6465	377	380	657	25	37	-
38	Kannur	2352	2273	4625	348	272	620	13	45	-
39	Mattannur	1232	1706	2938	135	54	189	1	1	-
40	Payyannur	1800	1670	3470	140	121	261	6	39	-
41	Thalassery	5852	5272	11124	919	542	1461	80	84	-
42	Thaliparamba	2541	2300	4841	183	150	333	47	42	-
43	Koothuparamba	1100	1064	2164	138	121	259	-	10	-
44	Kanjhangad	2117	1824	3941	287	259	546	31	61	-
45	Kasaragod	3715	3615	7330	338	166	504	118	60	1

**Table 4 – Total No. of Births, Deaths, Still births, Infant deaths and Maternal deaths in Corporations & Municipalities having a Population of 30,000 and above District wise**

Sl No	District	Births	Deaths	Still births	Infant death	Maternal death
1	2	3	4	5	6	7
1	Thiruvananthapuram	44829	10275	346	754	1
2	Kollam	18496	2675	54	173	1
3	Pathanamthitta	8235	1418	34	95	-
4	Alappuzha	17081	3361	127	196	1
5	Kottayam	6748	905	31	18	1
6	Idukki	4957	469	17	49	-
7	Eranakulam	29574	7335	145	417	1
8	Thrissur	26431	3462	293	478	1
9	Palakkad	22260	2782	79	202	1
10	Malappuram	31858	3173	140	330	2
11	Kozhikode	47470	11223	509	836	1
12	Kannur	29162	3123	48	221	-
13	Kasaragod	11271	1050	149	121	1



**Table 5 – Total number of vital events and its rates in Corporations/Municipalities**

Corporations/ Municipalities	Live birth		Death		Still birth		Infant death		Maternal death	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1	2	3	4	5	6	7	8	9	10	11
1. Neyyattinkara	3068	96.65	327	10.30	3	0.98	3	0.98	-	-
2. Thiruvananthapuram Corpn.	36612	67.09	9309	17.06	327	8.85	743	20.29	-	-
3. Attingal	1833	53.54	163	4.76	9	4.89	1	0.55	-	-
4. Nedumangad	1503	28.30	224	4.22	-	-	-	-	1	0.67
5. Varkala	1813	43.43	252	6.04	7	3.85	7	3.86	-	-
6. Kollam	14594	103.64	2130	15.13	46	3.14	152	10.42	-	-
7. Paravoor	431	11.33	139	3.66	-	-	1	2.32	1	2.32
8. Punalur	3471	72.60	406	8.49	8	2.30	20	5.76	-	-
9. Thiruvalla	5390	95.66	1078	19.13	16	2.96	81	15.03	-	-
10. Adoor	2157	78.26	361	13.10	30	13.72	24	11.13	-	-
11. Pathanamthitta	2845	76.00	340	9.08	18	6.29	14	4.92	-	-
12. Alappuzha	11184	63.16	2487	14.04	114	10.09	176	15.74	1	0.09
13. Mavelikkara	3987	136.30	517	17.67	15	3.75	27	6.77	-	-
14. Kayamkulam	3385	48.17	384	5.46	5	1.47	6	1.77	-	-
15. Cherthala	2512	56.05	490	10.93	8	3.17	14	5.57	-	-
16. Chengannur	1475	55.81	263	9.95	9	6.06	10	6.78	-	-
17. Changanassery	3000	56.94	272	5.16	1	0.33	7	2.33	-	-
18. Vaikom	1630	73.61	240	10.84	6	3.67	8	4.91	-	-
19. Thodupuzha	4957	114.32	469	10.82	17	3.42	49	9.89	-	-
20. Palai	2959	134.30	376	17.06	17	5.71	24	8.11	-	-
21. Kottayam	3748	59.94	633	10.12	30	7.94	11	2.93	1	0.27
22. Kochin Corpn.	19267	32.64	5767	9.74	113	5.83	324	16.82	1	0.05
23. Aluva	57.21	233.43	513	20.93	29	5.04	25	4.37	-	-
24. Parur North	3477	120.68	476	16.52	15	4.29	28	8.05	-	-
25. Perumbavoor	2500	97.78	345	13.49	12	4.78	27	10.8	-	-
26. Kothamangalam	4170	113.29	456	12.39	31	7.38	38	9.11	-	-
27. Muvattupuzha	3678	127.29	337	11.66	8	2.17	15	4.08	-	-
28. Thrippunithura	3142	56.82	422	7.64	-	-	9	2.86	-	-
29. Kalamassery	1	0.02	117	1.93	-	-	-	-	-	-

Table 5 – contd.

Corporations/ Municipalities	Live birth		Death		Still birth		Infant death		Maternal death	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1	2	3	4	5	6	7	8	9	10	11
30. Angamali	2994	95.08	573	18.20	1	0.33	46	15.36	-	-
31. Guruvayoor TS	937	43.38	154	7.13	3	3.19	8	8.54	-	-
32. Kunnamkulam	2003	101.29	263	13.30	16	7.92	1	0.50	-	-
33. Thrissur	15427	211.33	2355	32.26	267	17.01	410	26.58	1	0.06
34. Kodungallur	5177	157.74	436	13.28	7	1.35	24	4.64	-	-
35. Chalakkudy	3905	83.54	415	8.88	6	1.53	34	8.71	-	-
36. Irinjalakkuda	1994	70.54	257	9.09	9	4.49	8	4.01	-	-
37. Chavakkad	1922	48.49	256	6.46	13	6.72	10	5.20	-	-
38. Palakkad	12943	99.72	1681	12.95	60	4.61	179	13.83	0	0
39. Ottappalam	6992	114.56	611	10.01	7	1.00	14	2.00	1	0.14
40. Chittur-thathamangalam	1486	45.16	256	7.78	8	5.35	8	5.38	-	-
41. Shornur	839	19.99	234	5.58	4	4.74	1	1.19	-	-
42. Perinthalmanna	9530	220.69	1215	28.14	26	2.72	103	10.81	1	0.10
43. Ponnai	1007	17.77	234	4.13	5	4.94	-	-	-	-
44. Thirur	8549	157.02	570	10.47	11	1.28	57	6.67	-	-
45. Malappuram	5896	106.17	380	6.84	19	3.21	41	6.95	1	0.17
46. Manjeri	6876	87.49	774	9.85	79	11.36	129	18.76	-	-
47. Vadakara	6465	84.01	657	8.54	25	3.85	37	5.72	-	-
48. Kozhikode Corp	39726	91.72	10251	23.67	483	12.01	796	20.04	-	-
49. Quilandy	1279	20.85	315	5.13	1	0.78	3	2.35	1	0.78
50. Kalpetta	3521	134.01	255	9.70	6	1.70	39	11.08	-	-
51. Tellicherry	11124	140.42	1461	18.44	-	-	84	7.55	-	-
52. Payyannur	3470	49.76	261	3.74	-	-	39	11.24	-	-
53. Kannur	4625	68.50	620	9.18	-	-	45	9.73	-	-
54. Thaliparamba	4841	117.21	333	8.06	47	9.62	42	8.68	-	-
55. Mattannur	2938	64.63	189	4.16	1	0.34	1	0.34	-	-
56. Kuthupparambu	2164	68.82	259	8.24	-	-	10	4.62	-	-
57. Kanjhangad	3941	61.96	546	8.58	31	7.80	61	15.48	-	-
58. Kasaragod	7330	135.66	504	9.33	118	15.84	60	8.19	1	0.14

Table 6 – Live Birth by type of attention at Delivery – Rural and Urban

(Rural)

Sl No	District	Total	Institutional	Physician/Nurse/ trained midwife	Unqualified midwife	Others	NR
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	56340	11398	31	67	1	14
2	Kollam	42236	23521	63	142	11	3
3	Pathanamthitta	20378	9816	67	89	6	8
4	Alappuzha	28841	5990	154	146	6	2
5	Kottayam	34518	23124	31	23	2	1
6	Idukki	19670	13951	41	714	3	4
7	Eranakulam	54288	9321	11	4	1	1
8	Thrissur	53518	21817	116	217	1	2
9	Palakkad	49464	25024	868	1302	6	4
10	Malappuram	85436	40877	998	11687	7	9
11	Kozhikode	63820	15694	89	564	1	2
12	Wayanad	14608	9312	727	968	49	31
13	Kannur	41088	11040	286	594	2	4
14	Kasaragod	22048	9037	268	1426	27	19
	State	586253	229922	3750	17943	123	104

Table 6 (contd.)

Sl No	District	Urban Towns with Population									
		Below 30,000					Above 30,000				
		Institutional	Physician/Nurse/trained midwife	Unqualified midwife	Others	NR	Institutional	Physician/Nurse/trained midwife	Unqualified midwife	Others	NR
1	2	9	10	11	12	13	14	15	16	17	18
1	Thiruvananthapuram	-	-	-	-	-	44486	319	14	6	4
2	Kollam	-	-	-	-	-	18307	156	24	7	2
3	Pathanamthitta	2140	11	5	1	-	8204	17	9	3	2
4	Alappuzha	5423	26	12	1	-	17030	33	16	-	2
5	Kottayam	4573	9	6	1	-	6726	14	8	-	-
6	Idukki	-	-	-	-	-	4925	22	7	3	-
7	Eranakulam	15357	14	5	-	-	29535	27	9	2	1
8	Thrissur	4922	8	3	-	1	26385	28	13	2	3
9	Palakkad	-	-	-	-	-	22198	31	27	1	3
10	Malappuram	-	-	-	-	-	31084	241	526	3	4
11	Kozhikode	-	-	-	-	-	47369	62	36	1	2
12	Wayanad	3235	172	113	1	-	-	-	-	-	-
13	Kannur	-	-	-	-	-	29121	26	13	-	2
14	Kasaragod	-	-	-	-	-	11215	34	19	2	1
	State	35650	240	144	4	1	296585	1010	721	30	26

**Table 7 – Live birth according to order of Birth and Literacy of Mother – Kerala (Rural)**

Order of birth	Literacy					Total
	Illiterate	Below Matriculation	Matriculation/ Higher secondary	Graduation and above	Not reported	
1	2	3	4	5	6	7
01	1778	54802	48012	8123	164	112879
02	1869	46817	37424	5216	286	91612
03	1286	19476	8534	718	129	30143
04	601	8196	1398	64	67	10326
05	326	3013	349	18	15	3721
06	168	1286	84	6	12	1556
07	91	649	41	-	8	789
08	66	375	14	-	6	461
09	47	122	6	-	3	178
10	28	64	-	-	1	93
11 & Above	15	51	-	-	2	68
Not reported	14	2	-	-	-	16
<b>Total</b>	<b>6289</b>	<b>134853</b>	<b>95862</b>	<b>14145</b>	<b>693</b>	<b>251842</b>

**Table 8 – Live birth according to order of Birth and Literacy of Mother – Kerala (Urban)**

Order of birth	Literacy					Total
	Illiterate	Below Matriculation	Matriculation/ Higher secondary	Graduation and above	Not reported	
1	2	3	4	5	6	7
01	1417	63749	83997	17636	73	166872
02	986	47481	60150	9018	48	117683
03	593	16973	15925	1326	16	34833
04	376	7792	2496	181	7	10852
05	138	2076	311	36	2	2563
06	91	856	32	4	-	984
07	42	321	5	-	-	368
08	26	96	-	-	1	123
09	14	67	-	-	-	81
10	3	33	-	-	-	36
11 & Above	1	15	-	-	-	16
Not reported	-	-	-	-	-	-
<b>Total</b>	<b>3687</b>	<b>139460</b>	<b>162916</b>	<b>28201</b>	<b>147</b>	<b>334411</b>

**Table 9 – Live birth according to order of Birth and Literacy of Mother – Kerala State 1996**

Order of birth	Literacy					Total
	Illiterate	Below Matriculation	Matriculation/ Higher secondary	Graduation and above	Not reported	
1	2	3	4	5	6	7
01	3195	118551	132009	25759	237	279751
02	2855	94298	229583	14234	334	209295
03	1879	36449	24459	2044	145	64976
04	977	15988	3894	245	74	21178
05	464	5089	660	54	17	6284
06	259	2143	116	10	12	2540
07	133	970	46	-	8	1157
08	92	471	14	-	7	584
09	61	189	6	-	3	259
10	31	96	-	-	1	129
11 & Above	16	66	-	-	2	84
Not reported	14	2	-	-	-	16
<b>Total</b>	<b>9976</b>	<b>274313</b>	<b>258778</b>	<b>42346</b>	<b>840</b>	<b>586253</b>

**Table 10 – Live birth according to order of Birth and Literacy of Father – Kerala (Rural)**

Order of birth	Literacy					Total
	Illiterate	Below Matriculation	Matriculation/ Higher secondary	Graduation and above	Not reported	
1	2	3	4	5	6	7
01	1894	58210	45261	7328	186	112879
02	1978	51778	33419	4273	164	91612
03	1069	20879	7338	714	143	30143
04	429	8298	1426	117	56	10326
05	265	3093	339	6	18	3721
06	148	1271	124	-	13	1556
07	87	653	41	1	7	789
08	31	409	17	-	4	461
09	24	152	-	-	2	178
10	21	72	-	-	-	93
11 & Above	6	61	-	-	1	68
Not reported	1	15	-	-	-	16
<b>Total</b>	<b>5953</b>	<b>144891</b>	<b>87965</b>	<b>12439</b>	<b>594</b>	<b>251842</b>

**Table 11 – Live birth according to order of Birth and Literacy of Father – Kerala (Urban)**

Order of birth	Literacy					Total
	Illiterate	Below Matriculation	Matriculation/ Higher secondary	Graduation and above	Not reported	
1	2	3	4	5	6	7
01	1513	68782	79651	16846	80	166872
02	1089	46266	61923	8364	41	117683
03	608	18627	14005	1571	22	34833
04	226	6708	3628	281	9	10852
05	113	1264	1123	61	2	2563
06	48	766	163	7	-	984
07	14	332	22	-	-	368
08	8	115	-	-	-	123
09	6	74	1	-	-	81
10	2	34	-	-	-	36
11 & Above	1	15	-	-	-	16
Not reported	-	-	-	-	-	-
<b>Total</b>	<b>3628</b>	<b>142983</b>	<b>160516</b>	<b>27130</b>	<b>154</b>	<b>334411</b>

**Table 12 – Live birth according to order of Birth and Literacy of Father Kerala State 1996**

Order of birth	Literacy					Total
	Illiterate	Below Matriculation	Matriculation/ Higher secondary	Graduation and above	Not reported	
1	2	3	4	5	6	7
01	3407	126992	124912	24174	266	279751
02	3067	98044	95342	12637	205	209295
03	1677	39506	21343	2285	165	64976
04	655	15006	5054	398	65	21178
05	378	4357	1462	67	20	6284
06	196	2037	287	7	13	2540
07	101	985	63	1	7	1157
08	39	524	17	-	4	584
09	30	226	1	-	2	259
10	23	106	-	-	-	129
11 & Above	7	76	-	-	1	84
Not reported	1	15	-	-	-	16
<b>Total</b>	<b>9581</b>	<b>287874</b>	<b>248481</b>	<b>39569</b>	<b>748</b>	<b>586253</b>

**Table 13 – Live birth according to order of Birth and Occupation of Father Kerala (Rural)**

Order of birth	Professional technical & related workers	Administrative, Executive, & Management workers	Clerical workers	Sale workers	Service workers	Farmers, Fishermen, Hunters, Loggers & related workers	Productive and related works transport equipments & labourers	Others whose occupation is not elsewhere classified	Non workers	Total
1	2	3	4	5	6	7	8	9	10	11
01	2341	512	3829	9786	2749	13621	76064	3691	286	112879
02	1573	381	2933	8846	1584	11093	62017	2987	198	91612
03	526	18	946	3401	376	4618	19274	963	21	30143
04	86	-	219	1088	109	1186	7226	401	11	10326
05	-	-	117	428	42	573	2371	189	1	3721
06	-	-	64	161	18	169	1053	91	-	1556
07	-	-	18	56	3	86	594	31	-	789
08	-	-	1	27	-	29	398	6	-	461
09	-	-	-	12	-	14	150	2	-	178
10	-	-	-	7	-	6	63	-	-	68
11 & above	-	-	-	3	-	2	63	-	-	68
NR	-	-	-	1	-	1	14	-	-	16
<b>Total</b>	<b>4526</b>	<b>911</b>	<b>8127</b>	<b>23817</b>	<b>4881</b>	<b>31398</b>	<b>169303</b>	<b>8362</b>	<b>517</b>	<b>251842</b>

**Table 14 – Live birth according to order of Birth and Occupation of Father Kerala (Urban)**

Order of birth	Professional technical & related workers	Administrative, Executive, & Management workers	Clerical workers	Sale workers	Service workers	Farmers, Fishermen, Hunters, Loggers & related workers	Productive and related works transport equipments & labourers	Others whose occupation is not elsewhere classified	Non workers	Total
1	2	3	4	5	6	7	8	9	10	11
01	4163	1219	5982	17698	4119	12373	116646	4008	664	166872
02	2874	913	4211	13006	3318	9648	80177	3135	401	117683
03	589	112	819	4576	1086	3363	23403	836	49	34833
04	78	21	141	1628	381	608	7714	267	14	10852
05	16	3	28	388	67	141	1872	48	-	2563
06	-	-	4	113	11	43	785	28	-	984
07	-	-	-	57	4	22	271	14	-	368
08	-	-	1	25	1	17	76	3	-	123
09	-	-	-	9	-	3	68	1	-	81
10	-	-	-	2	1	-	32	1	-	36
11 & above	-	-	-	1	1	1	13	-	-	16
NR	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>7720</b>	<b>2268</b>	<b>11186</b>	<b>37503</b>	<b>8989</b>	<b>26219</b>	<b>231057</b>	<b>8341</b>	<b>1128</b>	<b>334411</b>

**Table 15 – Live birth according to order of Birth and Occupation of Father Kerala State 1996**

Order of birth	Professional technical & related workers	Administrative, Executive, & Management workers	Clerical workers	Sale workers	Service workers	Farmers, Fishermen, Hunters, Loggers & related workers	Productive and related works transport equipments & labourers	Others whose occupation is not elsewhere classified	Non workers	Total
1	2	3	4	5	6	7	8	9	10	11
01	6504	1731	9811	27484	6868	25994	250327	7699	950	279751
02	4447	1294	7144	21852	4902	20741	142194	6122	599	209295
03	1115	130	1765	7977	1462	7981	42677	1799	70	64976
04	164	21	360	2716	490	1794	14940	668	25	21178
05	16	3	145	816	109	714	4243	237	1	6284
06	-	-	68	274	29	212	1838	119	-	2540
07	-	-	18	114	7	108	865	45	-	1157
08	-	-	2	52	1	46	474	9	-	584
09	-	-	-	21	-	17	218	3	-	259
10	-	-	-	9	1	6	111	2	-	129
11 & above	-	-	-	4	1	3	76	-	-	84
NR	-	-	-	1	-	1	14	-	-	16
<b>Total</b>	<b>12246</b>	<b>3179</b>	<b>19313</b>	<b>61320</b>	<b>13870</b>	<b>57617</b>	<b>400360</b>	<b>16703</b>	<b>1645</b>	<b>586253</b>

**Table 16 – Live birth by order of Birth and Age of Mother – Kerala (Rural)**

Order of Birth	Age of mother									
	Below 15 yrs.	15-19	20-24	25-29	30-34	35-39	40-44	45 & above	Not reported	All ages
1	2	3	4	5	6	7	8	9	10	11
01	10	24116	61341	23776	3106	503	27	-	-	112879
02	1	2678	43303	36094	8526	971	39	-	-	91612
03	-	163	10071	14528	4467	886	28	-	-	30143
04	-	1	1618	5176	2765	718	42	6	-	10326
05	-	-	164	1445	1417	619	68	8	-	3721
06	-	-	19	412	547	526	49	3	-	1556
07	-	-	8	141	254	313	63	9	1	789
08	-	-	-	7	167	226	43	18	-	461
09	-	-	-	3	32	87	41	15	-	178
10	-	-	-	-	19	41	26	7	-	93
11 & above	-	-	-	-	-	39	23	6	-	68
NR	-	-	4	5	2	1	2	-	2	16
<b>Total</b>	<b>11</b>	<b>26958</b>	<b>116528</b>	<b>81587</b>	<b>21302</b>	<b>4930</b>	<b>451</b>	<b>72</b>	<b>3</b>	<b>251842</b>



**Table 17 – Live birth by order of Birth and Age of Mother – Kerala (Urban)**

Order of Birth	Age of mother									
	Below 15 yrs.	15-19	20-24	25-29	30-34	35-39	40-44	45 & above	Not reported	All ages
1	2	3	4	5	6	7	8	9	10	11
01	8	23864	89163	45872	7021	873	69	2	0	166872
02	1	2621	48619	50320	13876	2142	101	3	-	117683
03	-	91	9626	17670	6138	1188	118	2	-	34833
04	-	-	1468	5176	3446	696	63	3	-	10852
05	-	-	216	1098	701	488	56	4	-	2563
06	-	-	31	286	429	199	37	2	-	984
07	-	-	2	28	144	167	26	1	-	368
08	-	-	-	11	48	59	4	1	-	123
09	-	-	-	-	31	49	1	-	-	81
10	-	-	-	-	13	20	2	1	-	36
11 & above	-	-	-	-	2	9	4	1	-	16
NR	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>9</b>	<b>26576</b>	<b>149125</b>	<b>120461</b>	<b>31849</b>	<b>5890</b>	<b>481</b>	<b>20</b>	<b>-</b>	<b>334411</b>

**Table 18 – Live birth by order of Birth and Age of Mother – Kerala State 1996**

Order of Birth	Age of mother									
	Below 15 yrs.	15-19	20-24	25-29	30-34	35-39	40-44	45 & above	Not reported	All ages
1	2	3	4	5	6	7	8	9	10	11
01	18	47980	150504	69648	10127	1376	96	2	-	279751
02	2	5299	91922	86414	22402	3113	140	3	-	209295
03	-	254	19697	32198	10605	2074	146	2	-	64976
04	-	1	3086	10352	16816	1414	105	9	-	21178
05	-	-	380	2543	2118	1107	124	12	-	6284
06	-	-	50	698	976	725	86	5	-	2540
07	-	-	10	169	398	480	89	10	1	1157
08	-	-	-	18	215	285	47	19	-	584
09	-	-	-	3	63	136	42	15	-	259
10	-	-	-	-	32	61	28	8	-	129
11 & above	-	-	-	-	2	48	27	7	-	84
NR	-	-	4	5	2	1	2	-	2	16
<b>Total</b>	<b>20</b>	<b>53534</b>	<b>265653</b>	<b>201968</b>	<b>53151</b>	<b>10820</b>	<b>932</b>	<b>92</b>	<b>3</b>	<b>586253</b>

**Table 19 – Live birth by age of Mother in Corporations and Municipalities – Kerala 1996**

Corporations/ Municipalities	Age of mother									Total
	Below 15 yrs	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
1. Neyyattinkara	-	14	1893	947	125	17	1	1	-	3068
2. Thiruvananthapuram Corpn.	-	2103	16742	13087	3968	665	45	2	-	36612
3. Attingal	-	156	889	619	159	10	-	-	-	1833
4. Nedumangad	-	103	897	454	48	1	-	-	-	1503
5. Varkala	-	103	1060	531	108	11	-	-	-	1813
6. Kollam	-	318	8183	5181	786	113	13	-	-	14594
7. Paravoor	-	29	222	142	30	8	-	-	-	431
8. Punalur	-	136	1644	1283	337	68	3	-	-	3471
9. Thiruvalla	-	77	2072	2277	845	116	3	-	-	5390
10. Adoor	-	104	1010	794	214	35	-	-	-	2157
11. Pathanamthitta	-	124	1149	1221	295	52	4	-	-	2845
12. Alappuzha	-	352	4725	4943	1024	134	6	-	-	11184
13. Mavelikkara	-	112	1665	1697	450	63	-	-	-	3987
14. Kayamkulam	-	432	1762	982	178	31	-	-	-	3385
15. Cherthala	-	47	1172	907	306	77	3	-	-	2512
16. Chengannur	-	37	556	641	193	46	2	-	-	1475
17. Changanassery	-	76	1125	384	345	68	2	-	-	3000
18. Vaikom	-	14	608	781	199	28	-	-	-	1630
19. Thodupuzha	-	76	1746	1949	990	187	8	1	-	4957
20. Palai	-	49	758	1360	640	143	9	-	-	2959
21. Kottayam	-	114	1568	1522	491	52	1	-	-	3748
22. Kochin Corpn.	-	364	8747	7704	2061	385	5	1	-	19267
23. Aluva	-	298	2510	2219	583	108	3	-	-	5721
24. Parur North	-	144	1469	1443	363	58	-	-	-	3477
25. Perumbavoor	-	2	1082	1095	270	49	2	-	-	2500
26. Kothamangalam	-	57	1565	1846	571	123	8	-	-	4170
27. Muvattupuzha	-	145	1526	1506	403	94	3	1	-	3678
28. Thrissur	-	88	1072	1133	748	99	2	-	-	3142
29. Kalamassery	-	-	-	1	-	-	-	-	-	1

Table 19 – contd.

Corporations/ Municipalities	Live birth		Death		Still birth		Infant death		Maternal death	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1	2	3	4	5	6	7	8	9	10	11
30. Angamali	-	147	1510	1217	103	17	-	-	-	2994
31. Guruvayoor TS	-	56	530	226	110	15	-	-	-	937
32. Kunnankulam	-	223	950	575	220	35	-	-	-	2003
33. Thrissur	-	559	6424	6352	1787	293	12	-	-	15427
34. Kodungallur	-	256	2548	1867	432	71	3	-	-	5177
35. Chalakkudy	-	61	1664	1637	457	82	4	-	-	3905
36. Irinjilakkuda	-	69	779	811	187	37	6	-	-	1994
37. Chavakkad	-	88	803	748	250	32	1	-	-	1922
38. Palakkad	-	409	5959	5379	1036	153	6	1	-	12943
39. Ottappalam	-	462	3855	1893	637	135	8	2	-	6992
40. Chitturthathamangalam	-	93	804	442	118	28	1	-	-	1486
41. Shornur	-	75	371	281	84	27	1	-	-	839
42. Perinthalmanna	-	1515	4667	2609	546	181	11	1	-	9530
43. Ponnai	-	92	407	391	87	21	8	1	-	1007
44. Thirur	-	1719	3807	1938	782	290	11	2	-	8549
45. Malappuram	-	905	2164	1686	800	321	18	2	-	5896
46. Manjeri	-	636	3049	1990	899	294	7	1	-	6876
47. Vadakara	-	124	5859	272	188	18	2	2	-	6465
48. Kozhikode Corp	-	3885	17820	14151	3183	675	12	-	-	39726
49. Quilandy	-	66	805	378	24	6	-	-	-	1279
50. Kalpetta	-	221	2637	465	173	23	2	-	-	3521
51. Tellicherry	-	1940	4271	3519	1080	300	11	3	-	11124
52. Payyannur	-	484	1058	1003	691	226	7	1	-	3470
53. Kannur	-	317	1992	1400	687	216	13	-	-	4625
54. Thaliparamba	-	570	1718	1578	677	292	6	-	-	4841
55. Mattannur	-	227	1628	675	332	70	6	-	-	2938
56. Kuthupparambu	-	759	934	399	63	9	-	-	-	2164
57. Kanjhangad	-	345	2245	1167	164	17	3	-	-	3941
58. Kasaragod	-	391	3544	1864	1026	447	58	-	-	7330

**Table 20 – Live birth by Religion in the Corporations and Municipalities of Kerala 1996**

Sl No	Corporations/ Municipalities	Hindu	Muslims	Christian	Others	Total
1	2	3	4	5	6	7
1.	Neyyattinkara	1870	119	1079	-	3068
2.	Thiruvananthapuram Corpn.	26783	5257	4369	203	36612
3.	Attingal	1272	556	5	-	1833
4.	Nedumangad	1048	247	208	-	1503
5.	Varkala	1299	478	35	1	1813
6.	Kollam	9178	2898	2422	96	14594
7.	Paravoor	390	32	9	-	431
8.	Punalur	2160	593	708	-	3471
9.	Thiruvalla	2274	199	2917	-	5390
10.	Adoor	1416	164	577	-	2157
11.	Pathanamthitta	1774	272	799	-	2845
12.	Alappuzha	7126	1493	2564	1	11184
13.	Mavelikkara	3119	151	534	183	3987
14.	Kayamkulam	2548	605	231	1	3385
15.	Cherthala	1846	234	432	-	2512
16.	Chengannur	860	24	590	1	1475
17.	Changanassery	1732	289	978	1	3000
18.	Vaikom	1403	46	181	-	1630
19.	Thodupuzha	1947	903	2101	6	4957
20.	Palai	1175	149	1635	-	2959
21.	Kottayam	1835	238	1674	1	3748
22.	Kochin Corpn.	8436	3787	7035	9	19267
23.	Aluva	2555	1933	1231	2	5721
24.	Parur North	2455	304	718	-	3477
25.	Perumbavoor	1167	557	776	-	2500
26.	Kothamangalam	1401	833	1935	1	4170
27.	Muvattupuzha	1771	927	980	-	3678
28.	Thrissur	2222	111	809	-	3142
29.	Kalamassery	1	-	-	-	1

Table 20 – contd.

Sl No	Corporations/ Municipalities	Hindu	Muslims	Christian	Others	Total
1	2	3	4	5	6	7
30.	Angamali	785	134	2075	-	2994
31.	Guruvayoor TS	546	336	53	2	937
32.	Kunnankulam	957	861	184	1	2003
33.	Thrissur	9552	1661	4203	11	15427
34.	Kodungallur	4301	713	163	-	5177
35.	Chalakkudy	1969	149	1787	-	3905
36.	Irinjalakkuda	1559	97	337	1	1994
37.	Chavakkad	767	1116	39	-	1922
38.	Palakkad	9755	2857	338	-	12950
39.	Ottappalam	4906	1959	116	11	6992
40.	Chittur-thathamangalam	1210	208	66	2	1486
41.	Shornur	710	118	10	1	839
42.	Perinthalmanna	2968	6299	263	0	9530
43.	Ponnai	311	692	4	-	1007
44.	Thirur	2662	5870	17	-	8549
45.	Malappuram	1546	4288	62	-	5896
46.	Manjeri	2425	4287	164	-	6876
47.	Vadakara	1022	5128	311	4	6465
48.	Kozhikode Corp	24067	14196	1449	14	39726
49.	Quilandy	797	448	34	-	1279
50.	Kalpetta	1473	1683	363	2	3521
51.	Tellicherry	6685	4243	194	2	11124
52.	Payyannur	1973	1033	461	3	3470
53.	Kannur	3050	1451	120	4	4625
54.	Thaliparamba	2572	1253	1016	-	4841
55.	Mattannur	981	1589	368	-	2938
56.	Kuthupparambu	1153	705	306	-	2164
57.	Kanjhangad	3034	678	227	2	3941
58.	Kasaragod	2341	4765	224	-	7330

Table 21 – Live birth by Religion in Kerala (District wise)

District	R/U	Total Births	Hindus	Muslims	Christians	Others
1	2	3	4	5	6	7
1. Thiruvananthapuram	Rural	11511	7053	2007	2446	5
	Urban	44829	32272	6657	5696	204
	Total	56340	39325	8664	8142	209
2. Kollam	Rural	23740	14370	5042	4314	14
	Urban	18496	11728	3523	3149	96
	Total	42236	26098	8565	7463	110
3. Pathanamthitta	Rural	9986	5217	557	4181	31
	Urban	10392	5464	635	4293	-
	Total	20378	10681	1192	8474	31
4. Alappuzha	Rural	6298	4519	455	1312	12
	Urban	22543	15499	2505	4351	188
	Total	28841	20018	2960	5663	200
5. Kottayam	Rural	23181	10500	1421	11256	4
	Urban	11337	6145	922	4268	2
	Total	34518	16645	2343	15524	6
6. Idukki	Rural	14713	6518	1698	6494	3
	Urban	4957	1947	903	2101	6
	Total	19670	8465	2601	8595	9
7. Erana-kulam	Rural	9338	3990	705	4640	3
	Urban	44950	20793	8586	15559	12
	Total	54288	24783	9291	20199	15
8. Thrissur	Rural	22153	13319	5663	3165	6
	Urban	31365	19647	4937	6766	15
	Total	53518	32966	10600	9931	21
9. Palakkad	Rural	27204	16156	10120	927	1
	Urban	22260	16581	5142	520	17
	Total	49464	32737	15262	1447	18
10. Malappuram	Rural	53578	11638	41034	887	19
	Urban	31858	9912	21436	510	-
	Total	85436	21550	62470	1397	19
11. Kozhikode	Rural	16350	6469	8486	1391	4
	Urban	47470	25886	19772	1794	18
	Total	63820	32355	28258	3185	22
12. Wayanad	Rural	11087	5786	3040	2251	10
	Urban	3521	1473	1683	363	2
	Total	14608	7259	4723	2614	12
13. Kannur	Rural	11926	5360	4862	1698	6
	Urban	29162	15434	11254	2465	9
	Total	41088	20794	16116	4163	15
14. Kasaragod	Rural	10777	4925	5212	639	1
	Urban	11271	5575	5245	451	-
	Total	22048	10500	110457	1090	1
State	Rural	251842	115820	90302	45601	119
	Urban	334411	188356	93200	52286	569
	Total	586253	304176	183502	97887	688

**Table 22 – Month wise distribution of Live births in Kerala (Rural/Urban)**

Sl No	Corporation/ Municipality	Rural	Urban	Total
1	2	3	4	5
1	January	21345	27191	48536
2	February	20653	27423	48076
3	March	21853	26802	48655
4	April	20966	27419	48385
5	May	21595	29410	51005
6	June	21273	28773	50046
7	July	21211	27480	48691
8	August	20456	25932	46388
9	September	20347	28278	48625
10	October	20675	27889	48564
11	November	20699	29927	50626
12	December	20769	27887	48656
<b>Total</b>		<b>251842</b>	<b>334411</b>	<b>586253</b>

Table 23 – Sex ratio of Live births in Kerala (District wise)

District	Rural/ Urban	Male	Female	Sex ratio
1	2	3	4	5
1. Thiruvananthapuram	Rural	5979	5532	925
	Urban	23140	21689	937
	Total	29119	27221	935
2. Kollam	Rural	12158	11582	953
	Urban	9433	9063	961
	Total	21591	20645	956
3. Pathanamthitta	Rural	5018	4968	990
	Urban	5347	5045	944
	Total	10365	10013	966
4. Alappuzha	Rural	3218	3080	957
	Urban	11698	10845	927
	Total	14916	13925	934
5. Kottayam	Rural	11304	11877	1051
	Urban	5818	5519	949
	Total	17122	17396	1016
6. Idukki	Rural	6716	7997	1191
	Urban	2598	2359	908
	Total	9314	10356	1112
7. Ernakulam	Rural	4819	4519	938
	Urban	23296	21654	929
	Total	28115	26173	931
8. Thrissur	Rural	12011	10142	844
	Urban	15661	15704	1003
	Total	27672	25846	934
9. Palakkad	Rural	14370	12834	893
	Urban	12202	10058	824
	Total	26572	22892	862
10. Malappuram	Rural	27286	26292	964
	Urban	16423	15435	940
	Total	43709	41727	955
11. Kozhikode	Rural	8400	7950	946
	Urban	23423	24047	1027
	Total	31823	31997	1005
12. Wayanad	Rural	5812	5275	908
	Urban	1806	1715	950
	Total	7618	6990	918
13. Kannur	Rural	5986	5940	992
	Urban	14877	14285	960
	Total	20863	20225	969
14. Kasaragod	Rural	5426	5351	986
	Urban	5832	5439	933
	Total	11258	10790	958
State	Rural	128503	123339	960
	Urban	171554	162857	949
	Total	300057	286196	954



**Table 24 – Month wise distribution of Deatha in Kerala (Rural/Urban)**

Sl No	Corporation/ Municipality	Rural	Urban	Total
1	2	3	4	5
1	January	9809	4515	14324
2	February	9711	4588	14299
3	March	9555	4604	14159
4	April	9203	4546	13749
5	May	9780	4739	14519
6	June	9568	4839	14407
7	July	10056	4864	14920
8	August	9601	4508	14109
9	September	10102	4790	14892
10	October	9679	4548	14227
11	November	9363	4435	13798
12	December	10068	4632	14700
	<b>Total</b>	<b>116495</b>	<b>55608</b>	<b>172103</b>

**Table 25 – Deaths by Age and Sex in Kerala 1996**

Sl No	Age Group (year)	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	814	640	1454	2223	1911	4134	3037	2551	5588
2	1 – 4	312	286	598	408	371	779	720	657	1377
3	5 – 14	481	366	847	416	329	745	897	695	1592
4	15 – 24	1128	912	2040	1213	886	2099	2341	1798	4139
5	25 – 34	2189	1361	3550	1873	1224	3097	4062	2585	6647
6	35 – 44	3596	1903	5499	2263	1093	3356	5859	2996	8855
7	45 – 54	7381	4629	12010	4172	1842	6014	11553	6471	18024
8	55 – 64	12826	7281	20107	4954	3106	8060	17780	10387	28167
9	65 & above	36658	32394	69052	14369	12692	27061	51027	45086	96113
10	Not reported	712	626	1338	154	109	263	866	735	1601
	<b>Total</b>	<b>66097</b>	<b>50398</b>	<b>116495</b>	<b>32045</b>	<b>23563</b>	<b>55608</b>	<b>98142</b>	<b>73961</b>	<b>172103</b>

Table 26 – Death by Religion in Kerala (District wise) 1996

District	Rural/ Urban	Hindus	Muslims	Christians	Others	Total
1	2	3	4	5	6	7
1. Thiruvananthapuram	Rural	7189	839	1649	7	9684
	Urban	7901	955	1406	13	10275
	Total	15090	1794	3055	20	19959
2. Kollam	Rural	7183	1895	1041	6	10125
	Urban	1814	345	495	21	2675
	Total	8997	2240	1536	27	12800
3. Pathanamthitta	Rural	3006	131	2412	1	5550
	Urban	868	83	828	-	1779
	Total	3874	214	3240	1	7329
4. Alappuzha	Rural	5997	715	1561	2	8275
	Urban	3343	176	622	-	4141
	Total	9340	891	2183	2	12416
5. Kottayam	Rural	5350	482	4653	-	10485
	Urban	929	77	514	1	1521
	Total	6279	559	5167	1	12006
6. Idukki	Rural	2523	289	1491	3	4306
	Urban	313	44	112	-	469
	Total	2836	333	1603	3	4775
7. Ernakulam	Rural	4563	585	3429	7	8584
	Urban	6409	709	1882	6	9006
	Total	10972	1294	5251	13	17590
8. Thrissur	Rural	9091	2044	1957	2	13064
	Urban	2622	758	754	2	4136
	Total	11683	2802	2711	4	17200
9. Palakkad	Rural	8827	2302	435	4	11568
	Urban	2215	472	94	1	2782
	Total	11042	2774	529	5	14350
10. Malappuram	Rural	4069	6155	222	7	10453
	Urban	1233	1880	60	-	3173
	Total	5302	8035	282	7	13626
11. Kozhikode	Rural	5316	2369	435	1	8121
	Urban	6308	4415	499	1	11223
	Total	11624	6784	934	2	19344
12. Wayanad	Rural	1547	872	608	3	3030
	Urban	110	92	53	-	255
	Total	1657	964	661	3	3285
13. Kannur	Rural	4931	2989	812	-	8732
	Urban	1802	1126	193	2	3123
	Total	6733	4115	1005	2	11855
14. Kasaragod	Rural	2694	1532	290	2	4518
	Urban	515	432	103	-	1050
	Total	3209	1964	393	2	5568
State	Rural	72256	23199	20995	45	116495
	Urban	36382	11564	7615	47	55608
	Total	108638	34763	28610	92	172103

Table 27 – Distribution of Death due to some specified Diseases – 1996

Sl. No.	Cause of death	Code	Rural			Urban			Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4		5	7	8	9	10	11	12
1	Cholera	001	14	7	21	11	7	18	25	14	39
2	Typhoid and paratyphoid	002	44	29	73	14	12	26	58	41	99
3	Food poisoning	003	9	6	15	16	8	24	25	14	39
4	Dysentery & Diarrhea, Gastroenteritis	004, 006, 009	118	109	227	209	196	405	327	305	632
5	Tuberculosis	010, 015	712	386	1098	138	84	222	850	470	1320
6	Leprosy	030	6	2	8	1	1	2	7	3	10
7	Diphtheria	032	4	2	6	4	-	4	8	2	10
8	Whooping cough	033	11	8	19	6	-	6	17	8	25
9	Tetanus	037	14	7	21	19	16	35	33	23	56
10	Poliomyelitis	045	11	10	21	10	3	13	21	13	34
11	Measles	055	33	19	52	31	13	44	64	32	96
12	Rabies	071	18	13	31	7	3	10	25	16	41
13	Malaria	084	24	13	37	23	6	29	47	19	66
14	Cancer	140-199 200-229 230-239	6179	4186	10365	1886	1081	2967	8065	5267	13332
15	Diabetes Mellitus	250	1281	1039	2320	603	419	1022	1884	1458	3342
16	Anemia	280-285	85	67	152	73	72	145	158	139	297
17	Meningitis	320-322-402	58	32	90	36	21	57	94	53	147
18	Heart diseases, Heart attack	410-444	16184	9431	25615	9946	6187	16133	26130	15618	41748
19	Pneumonia	480-486	86	59	145	109	64	173	195	123	318
20	Influenza	487	1126	1206	2332	86	72	158	1212	1278	2490

(Table 27 contd.)

Sl. No.	Cause of death	Code	Rural			Urban			Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4		5	7	8	9	10	11	12
21	Bronchitis & Asthma (Respiratory diseases)	490-493	5717	4689	10406	2026	1384	3410	7743	6073	13816
22	Jaundice	782-784	226	117	343	68	59	127	294	176	470
23	Chronic Liver diseases & Cirrhoses	571	284	138	422	216	53	269	500	191	691
24	Ulcer of stomach & Duodenum (stomach complaint)	531-578	334	256	590	104	47	151	438	303	741
25	Appendicitis	540-543	8	3	11	6	-	6	14	3	17
26	Syphilis & other diseases of genitourinary system	580-629	-	-	-	2	-	2	2	-	2
27	Abortions	630-639	-	4	4	-	1	1	-	5	5
28	Complication related to pregnancy and child birth	640-668 651-676	-	43	43	-	13	13	-	56	56
29	Certain conditions such as birth injuries, slow-growth of fetus and prematurely originating in perinate period	760-779	446	306	752	826	603	1429	1272	909	2181
30	Cerebra vascular (Paralysis)	430-438	1461	1326	2787	614	408	1022	2075	1734	3809
31	Senility	797	618	476	1094	703	317	1020	1321	793	2114
32	Others not elsewhere classified	-	28314	24932	53246	12793	11781	24574	41107	36713	77820
	<b>External causes</b>										
33	Bites or stings of venomous animals	-	58	41	99	26	16	42	84	57	141
34	Accidental burns	E890-99	119	88	207	68	168	236	187	256	443
35	Falls, drowning	E880-88	403	319	722	126	48	174	529	367	896
36	Accidental poisoning	E 910	91	69	160	208	63	271	299	132	431
37	Transport (traffic) accidents involving Railway, Roads, Aircraft, Motor vehicles, other vehicles, Animals being ridden or drawing vehicles	E 910	634	276	910	584	154	738	1218	430	1648
38	Other Accidents not elsewhere classified	E 910	162	49	211	116	34	150	278	83	361
39	Suicide		1186	628	1814	308	148	456	1494	776	2270
40	Homicide	19	19	7	26	23	1	24	42	8	50

Table 28 – Infant death by Sex in Kerala (District wise)

District	Rural/ Urban	Male	Female	Total
1	2	3	4	5
1. Thiruvananthapuram	Rural	21	16	37
	Urban	361	393	754
	Total	382	409	791
2. Kollam	Rural	76	58	134
	Urban	101	72	173
	Total	177	130	307
3. Pathanamthitta	Rural	9	13	22
	Urban	67	52	119
	Total	76	65	141
4. Alappuzha	Rural	18	11	29
	Urban	135	98	233
	Total	153	109	262
5. Kottayam	Rural	149	121	270
	Urban	27	23	50
	Total	176	144	320
6. Idukki	Rural	60	53	113
	Urban	34	15	49
	Total	94	68	162
7. Eranakulam	Rural	18	10	28
	Urban	275	237	512
	Total	293	247	540
8. Thrissur	Rural	94	89	183
	Urban	272	223	495
	Total	366	312	678
9. Palakkad	Rural	73	64	137
	Urban	111	91	202
	Total	184	155	339
10. Malappuram	Rural	78	49	127
	Urban	180	150	330
	Total	258	199	457
11. Kozhikode	Rural	41	38	79
	Urban	438	398	836
	Total	479	436	915
12. Wayanad	Rural	81	41	122
	Urban	24	15	39
	Total	105	56	161
13. Kannur	Rural	44	34	78
	Urban	126	95	221
	Total	170	129	299
14. Kasaragod	Rural	52	43	95
	Urban	72	49	121
	Total	124	92	216
State	Rural	814	640	1454
	Urban	2223	1911	4134
	Total	3037	2551	5588

Table 29 – Infant deaths by age and sex in Kerala

Sl No	Age	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 week	507	375	882	1284	1031	2315	1791	1406	3197
2	1 week to 1 month	136	110	246	382	330	712	518	440	958
3	1 month to below 3 months	63	63	126	227	232	459	290	295	585
4	3 months to below 5 months	54	47	101	180	171	351	234	218	452
5	6 months to 12 months	54	45	99	150	147	297	204	192	396
	<b>Total</b>	<b>814</b>	<b>640</b>	<b>1454</b>	<b>2223</b>	<b>1911</b>	<b>4134</b>	<b>3037</b>	<b>2551</b>	<b>5588</b>

Table 30 – Maternal deaths in Kerala by age at Death

Sl No	Age at Death	Rural	Urban		
			Towns with population 30,000 & above	All other urban areas	Total for all areas
1	2	3	4	5	6
1	Below 15 years	-	-	-	-
2	15 – 19	2	2	-	4
3	20 – 24	13	2	2	17
4	25 – 29	20	3	1	24
5	30 – 34	6	3	1	10
6	35 – 39	3	-	-	3
7	40 – 44	2	1	-	3
8	45 & above	1	-	-	1
9	Not reported	-	-	-	-
	<b>Total</b>	<b>47</b>	<b>11</b>	<b>4</b>	<b>62</b>

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