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Vital Statistics  
No.55  
Bulletin

# VITAL STATISTICS 1991



Annual  
Report on Vital Events

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Department of Economics & Statistics  
Government of Kerala



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**Department of Economics & Statistics**  
Government of Kerala





## PREFACE

*This Bulletin presents the Vital Statistics of the State for the calendar year 1991. The data relating to vital events received from the registering authorities are presented and vital rates estimated.*

*This Bulletin has been prepared by the vital statistics unit of this Department.*



Thiruvananthapuram  
29-08-1995



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# VITAL STATISTICS BULLETIN 1991

## INTRODUCTION

**T**he registration of Births and Deaths in the State is Governed by the Birth & Death Act of 1969 and the Rules made there under. The Act Provides for a suitable machinery for the effective registration of births and deaths. Under the above act, the Civil registration is controlled by the Director of Panchayats in the statutory capacity of "Chief Registrar of Births and Deaths". The Additional Director of Economics and Statistics is the "Additional Chief Registrar " of births and deaths. At the District level, the District

Panchayat Officers are empowered to function as the *District Registrar of births and deaths*. The Executive Officers of the Panchayats and the Health Inspectors and Health Officers of the Corporations and Municipalities are the local Registrars of the concerned registration units. The data relating to the vital events received from the registering authorities are compiled 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 year 1991

### • *Source of Data*

As per the rules framed under the Birth and Death Registration Act, births and deaths are to be registered within 14 and 7 days respectively 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 in the registers maintained for the purpose. 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 data are compiled and analysed.

- **Limitations of the data**

The registration of vital events is not complete, Since cases of under registration have been detected . More over the birth and death rates in the urban areas are higher than that in the rural areas. It may be due to the fact that registration is defacto. The people in the rural areas <sup>also</sup> avail the modern medical facilities in the urban area. Sometimes the ignorance of the informants reporting vital events may adversely affect the quality of the data. This is another limiting factor. 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 data**

The data contained in 5.58 lakhs birth cards and 1.57 lakhs death cards for the year 1991 received in the Directorate are processed for further analysis.

- **Vital Rates**

On the basis of the data available the following vital rates for the year 1991 have been arrived at

- ◆ **Crude birth rate** is the number of live births per thousand population (mid year)
- ◆ **Crude death rate** is the number of deaths per thousand population (mid year)
- ◆ **Infant death rate** is the number of infant deaths(below 1 year ) per thousand live births per year
- ◆ **Maternal Death rate** is the number of maternal deaths per thousand live births and still births.
- ◆ **Still Birth Rate** is the number of such births per thousand live and still births.

- **Birth and Birth Rates**

During the year under report the details of 5.58 lakhs of registered live births comprising of 2.68 lakhs of rural area and 2.90 lakhs of urban area have been analysed. The number of registered births during the year has decreased from 5.69 lakhs to 5.58 lakhs and the number of

registered deaths has increased from 1.48 lakhs to 1.57 lakhs during the year under report. The registered birth rate for the state during the year 1991 was 19.08; as against 19.73 during 1990. The rural and urban rates were 10.77 and 66.35 as against 11.66 and 65.42 during the previous year. The District wise birth rates and death rates with rural & urban break up are presented in Table I. As in previous years, Malappuram District recorded the highest birth rate 26.02. When compared to the previous year Malappuram showed a decreasing trend. The other districts where birth rates were above State average were Kasaragod (20.54), Kannur (19.95), Kozhikode (21.10), Palakkad (19.94), and Thrissur (19.35). The birth rate was the lowest in Alappuzha District(14.12) followed by Idukki (15.07). In almost all the Districts except Thiruvananthapuram, Kottayam & Ernakulam, birth rates showed a decreasing trend when compared to that of the previous year 1990.

- **Death and Death Rate**

During the year under report total number of death cards considered for analysis were 1.57 lakhs of which 1.07 lakhs were from rural areas and 0.50 lakhs were from urban areas. The registered death rate of the state during the year under report was 5.37. A slight increase in death rate is noticed during the year, when compared to that of the previous year 1990 (5.12). The rural and urban break up were 4.30 and 11.43 respectively. On an analysis of the district wise rates, Palakkad recorded the highest death rate (6.17) and Malappuram the lowest (3.96). The death rates in the District of Kollam, Idukki, Malappuram, Wayanad, Kannur and Kasargod were below State Average.

- **Infant Death Rate**

Total No of infant death during the year 1991 was 6315 as against 6534 in the previous year (1990). The infant death rate was 11.32 with a rural and urban break up of 7.52 and 14.83 respectively. These rates were 11.48, 8.14 and 14.89 respectively during the previous year (1990). Infant deaths were the highest in Kozhikode District (1125)

• **Maternal death rate**

Total number of maternal deaths derived from civil registration data recorded in the state was 51 of which 38 were from rural areas and 13 were from urban areas. No maternal deaths were reported from Pathanamthitta, Idukki, Malappuram, Wayanad and Kannur Districts. The maternal death rate in the State worked out to 0.09 as against 0.08 during the previous year (1990)

• **Still Birth Rate**

The total number of still births registered during the year was 3413 as against 3537 in the previous year. When compared to the previous year it showed a slight decrease. As in previous years Kozhikode District tops the list by registering 707 still births, of which 679 were from urban areas. The still birth rate in the State during the year was 6.08 as against 6.18 during the previous year(1990).

• **Conclusion**

Birth rate during the year showed a slight decrease when compared to that of the previous year, where as death rate showed a slight increase. Moreover all the vital rates were higher in the urban areas, than that in the rural areas. This may be due to the fact that the registration is 'defacto' and the better medical facilities available in the urban areas are utilised by the rural people also.

As in previous years, infant deaths and still births were the highest in Kozhikode District.

\* \* \* \* \*

**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				Live Births		
			Rate		Rate				
			Number	1991	1990	Number	1991	1990	
1	2	3	4	5	6	7	8	9	
Thiruvananthapuram	Rural	2282	13795	6.05	5.44	8208	3.60	3.40	
	urban	678	39584	58.58	59.65	8229	12.14	14.22	
	<b>Total</b>	<b>2960</b>	<b>53379</b>	<b>18.03</b>	<b>17.90</b>	<b>16437</b>	<b>5.55</b>	<b>5.89</b>	
Kollam	Rural	2194	22912	10.44	11.08	8953	4.08	3.66	
	urban	224	17036	76.05	74.56	2586	11.54	9.92	
	<b>Total</b>	<b>2418</b>	<b>39948</b>	<b>16.52</b>	<b>16.98</b>	<b>11539</b>	<b>4.77</b>	<b>4.24</b>	
Pathanamthitta	Rural	1039	6888	6.63	7.21	4882	4.70	4.69	
	urban	155	14324	92.41	95.73	1880	12.13	11.41	
	<b>Total</b>	<b>1194</b>	<b>21212</b>	<b>17.77</b>	<b>18.71</b>	<b>6762</b>	<b>5.62</b>	<b>5.56</b>	
Alappuzha	Rural	1670	9157	5.48	6.01	7560	4.53	4.28	
	urban	340	19224	56.54	57.33	3714	10.92	10.19	
	<b>Total</b>	<b>2010</b>	<b>28381</b>	<b>14.12</b>	<b>14.70</b>	<b>11274</b>	<b>5.66</b>	<b>5.28</b>	
Kottayam	Rural	1618	20807	12.86	12.91	9503	5.87	5.38	
	urban	218	10889	49.95	47.94	1656	7.60	5.93	
	<b>Total</b>	<b>1836</b>	<b>31696</b>	<b>17.26</b>	<b>17.06</b>	<b>11159</b>	<b>6.08</b>	<b>5.45</b>	
Idukki	Rural	1042	12272	11.78	12.75	4011	3.85	3.55	
	urban	41	4046	98.68	102.93	388	9.46	10.37	
	<b>Total</b>	<b>1083</b>	<b>16318</b>	<b>15.07</b>	<b>16.12</b>	<b>4399</b>	<b>4.06</b>	<b>3.81</b>	
Ernakulam	Rural	1910	8337	4.36	4.67	7791	4.08	4.21	
	urban	920	41134	44.71	43.03	8394	9.12	7.91	
	<b>Total</b>	<b>2830</b>	<b>49471</b>	<b>17.48</b>	<b>17.15</b>	<b>16185</b>	<b>5.72</b>	<b>5.41</b>	
Thrissur	Rural	2494	28439	11.40	11.97	12504	5.01	4.79	
	urban	256	24781	96.80	97.23	4049	15.82	14.39	
	<b>Total</b>	<b>2750</b>	<b>53220</b>	<b>19.35</b>	<b>19.97</b>	<b>16553</b>	<b>6.02</b>	<b>5.69</b>	
Palakkad	Rural	2107	29328	13.92	15.25	11396	5.41	4.90	
	urban	286	18396	64.32	64.86	3366	11.77	10.68	
	<b>Total</b>	<b>2393</b>	<b>47724</b>	<b>19.94</b>	<b>21.17</b>	<b>14762</b>	<b>6.17</b>	<b>5.59</b>	
Malappuram	Rural	2849	57664	20.24	22.32	9824	3.45	3.48	
	urban	261	23254	89.10	89.17	2485	9.52	8.64	
	<b>Total</b>	<b>3110</b>	<b>80918</b>	<b>26.02</b>	<b>27.96</b>	<b>12309</b>	<b>3.96</b>	<b>3.91</b>	
Kozhikode	Rural	2139	20654	9.66	11.06	7597	3.55	3.40	
	urban	493	34875	70.74	69.58	8329	16.89	16.44	
	<b>Total</b>	<b>2632</b>	<b>55529</b>	<b>21.10</b>	<b>22.12</b>	<b>15926</b>	<b>6.05</b>	<b>5.86</b>	
Waynad	Rural	652	11374	17.44	18.62	2697	4.14	3.99	
	urban	23	1300	56.52	71.22	180	7.83	9.57	
	<b>Total</b>	<b>675</b>	<b>12674</b>	<b>18.78</b>	<b>20.45</b>	<b>2877</b>	<b>4.26</b>	<b>4.18</b>	
Kannur	Rural	1893	14982	7.91	10.76	7830	4.14	4.20	
	urban	369	30143	81.69	71.71	3631	9.84	7.77	
	<b>Total</b>	<b>2262</b>	<b>45725</b>	<b>19.95</b>	<b>20.72</b>	<b>11461</b>	<b>5.07</b>	<b>4.79</b>	
Kasargode	Rural	968	11002	11.37	11.63	4204	4.34	4.03	
	urban	108	11100	102.78	103.92	1072	9.93	8.73	
	<b>Total</b>	<b>1076</b>	<b>22102</b>	<b>20.54</b>	<b>20.91</b>	<b>5276</b>	<b>4.90</b>	<b>4.50</b>	
State	Rural	24857	267611	10.77	11.66	106960	4.30	4.11	
	urban	4372	290086	66.35	65.42	49959	11.43	10.81	
	<b>Total</b>	<b>29229</b>	<b>557697</b>	<b>19.08</b>	<b>19.73</b>	<b>156919</b>	<b>5.37</b>	<b>5.12</b>	

Table 1(cont..)

Total Number of live births, deaths, still births, infant deaths, maternal deaths and their rates.

District	Rural/ Urban	Still Births			Infant Deaths			Maternal Deaths		
		Number	Rate		Number	Rate		Number	Rate	
			1991	1990		1991	1990		1991	1990
1	2	3	4	5	6	7	8	9	10	11
Thiruvananthapuram	Rural	21	1.52	0.98	58	4.20	4.49	7	0.51	0.08
	urban	158	3.98	5.26	630	15.92	17.86	-	-	-
	Total	179	3.34	4.26	688	12.89	14.73	7	0.13	0.02
Kollam	Rural	90	3.91	4.88	188	8.21	6.57	-	-	-
	urban	44	2.58	3.06	259	15.20	13.35	2	0.12	0.48
	Total	134	3.34	4.14	447	11.19	9.34	2	0.05	0.20
Pathanamthitta	Rural	3	0.44	2.15	39	5.66	5.38	-	-	-
	urban	71	4.93	4.73	125	8.73	8.00	-	-	-
	Total	74	3.32	3.86	164	7.73	7.12	-	-	-
Alappuzha	Rural	30	3.26	3.40	39	4.26	5.92	7	0.76	-
	urban	105	5.43	6.36	252	13.11	13.88	-	-	-
	Total	135	4.73	5.36	291	10.25	11.18	7	0.25	-
Kottayam	Rural	188	8.95	17.85	444	21.34	18.23	3	0.14	-
	urban	85	7.75	8.05	53	4.87	6.37	-	-	-
	Total	273	8.54	14.61	497	15.68	14.28	3	0.09	-
Idukki	Rural	84	6.80	-	147	11.98	11.26	-	-	0.08
	urban	23	5.65	4.59	45	11.12	8.50	-	-	-
	Total	107	6.51	1.10	192	11.77	10.60	-	-	0.06
Ernakulam	Rural	38	4.54	4.40	113	13.55	15.98	6	0.72	-
	urban	275	6.64	7.37	524	12.74	13.01	3	0.07	0.28
	Total	313	6.29	6.83	637	12.88	13.56	9	0.18	0.23
Thrissur	Rural	113	3.96	3.55	177	6.22	8.75	3	0.11	-
	urban	226	9.04	8.99	448	18.08	15.59	2	0.08	-
	Total	339	6.33	6.04	625	11.74	11.92	5	0.09	-
Palakkad	Rural	130	4.41	3.15	184	6.27	9.70	4	0.14	-
	urban	147	7.93	5.24	302	16.42	17.23	5	0.27	-
	Total	277	5.77	3.91	486	10.18	12.23	9	0.18	-
Malappuram	Rural	83	1.44	3.52	226	3.92	6.20	-	-	-
	urban	240	10.22	11.69	257	11.05	11.17	-	-	-
	Total	323	3.98	5.73	483	5.97	7.54	-	-	-
Kozhikode	Rural	28	1.35	1.29	50	2.42	2.28	7	0.34	-
	urban	679	19.20	16.70	1075	30.82	29.87	-	-	0.46
	Total	707	12.57	10.51	1125	20.26	18.69	7	0.13	0.28
Waynad	Rural	68	5.94	6.34	102	8.97	9.23	-	-	0.17
	urban	2	1.54	3.04	20	15.38	11.60	-	-	-
	Total	70	5.49	5.94	122	9.63	9.51	-	-	0.15
Kannur	Rural	68	4.52	5.16	168	11.21	7.13	-	-	0.10
	urban	180	5.75	2.83	187	6.20	6.51	-	-	-
	Total	248	5.47	3.84	355	7.87	6.78	-	-	0.04
Kasargode	Rural	42	3.80	5.05	78	7.09	8.42	1	0.09	0.18
	urban	192	17.00	13.52	125	11.26	10.53	1	0.09	-
	Total	234	10.48	9.30	203	9.18	9.48	2	0.09	0.09
State	Rural	986	3.67	4.48	2013	7.52	8.14	38	0.14	0.03
	urban	2427	8.59	7.89	4302	14.83	14.89	13	0.04	0.12
	Total	3413	6.08	6.18	6315	11.32	11.48	51	0.09	0.08

**Table 2**  
**Census Population of Districts - 1991**  
**Rural, Urban and Sexwise**

Population in Thousands

Sl No	District	Population					Population not under registration				Population of Towns	
		Total	Rural		Urban		Rural		Urban		30000 & above	
			Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	2	3	4	5	6	7	8	9	10	11	12	13
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.	Ernakulam	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.	Waynad	672	330	319	12	11	-	-	-	-	0	0
13.	Kannur	2252	919	966	180	187	-	-	-	-	113	116
14.	Kasargode	1072	476	489	53	54	-	-	-	-	53	54
15.	State	29098	12142	12599	2149	2208	-	-	-	-	1908	1958

Table 3

**Total No. of Live Births, Deaths, Still Births, Infant Deaths and Maternal Deaths in Corporations and Municipalities Having a Population of 30,000 and above**

Sl. No.	Corporations / Municipalities	Births			Deaths			Still Births	Infant Deaths	Maternal Deaths
		Total	Male	Female	Total	Male	Female			
1	2	3	4	5	6	7	8	9	10	11
2	Thiruvananthapuram Corp	30376	14950	15426	7424	3814	3610	143	602	-
3	Neyyattinkara	3568	1738	1830	251	154	97	10	17	-
4	Nedumangad	2468	1267	1201	185	116	69	-	9	-
5	Attingal	974	492	482	137	78	59	5	2	-
6	Varkala	2198	1186	1012	232	122	110	10	-	-
7	Kollam	13798	7209	6589	2080	1332	748	22	233	2
8	Punalur	3216	1646	1570	374	246	128	22	25	-
9	Paravoor	22	12	10	132	75	57	-	1	-
10	Pandalam	2900	1355	1545	388	237	151	-	25	-
11	Pathanamthitta	3136	1587	1549	335	238	97	23	17	-
12	Thiruvalla	5339	2773	2566	837	525	312	34	67	-
13	Alappuzha	8800	4437	4363	2102	1184	918	50	175	-
14	Cherthala	2588	1320	1268	578	370	208	11	30	-
15	Kayamkulam	2761	1478	1283	395	241	154	21	19	-
16	Changanacherry	2692	1393	1299	305	184	121	14	16	-
17	Kangirappally	565	314	251	172	95	77	17	5	-
18	Kottayam	3794	1920	1874	541	343	198	24	9	-
19	Thodupuzha	4046	1976	2070	388	244	144	0	45	-
20	Angamali	2390	1221	1169	484	317	167	10	46	2
21	Eloor	269	143	126	133	84	49	1	2	-
22	Kalamassery(m)	40	22	18	145	86	59	-	-	-
23	Kochi Corporation	17863	9264	8599	5065	3264	1801	169	312	-
24	Kothamangalam	4067	2164	1903	452	289	163	17	50	-
25	Thrippunithura	2467	1172	1295	339	215	124	16	8	1
26	Chalakkudy	2995	1499	1496	343	227	116	7	20	-
27	Chavakkadu	501	246	255	210	126	84	-	2	-
28	Kodungalloor	3475	1730	1745	351	219	132	9	30	-
29	Thrissur	13622	6791	6831	2404	1299	1105	181	341	2
30	Chittur Thathamangalam	1763	911	852	374	204	170	15	4	-
31	Mannarkad	2165	1117	1048	273	178	95	55	17	-
32	Ottappalam	5122	2545	2577	667	402	265	14	75	-
33	Palakkad	8688	4333	4355	1804	1094	710	56	203	5
34	Shornur	658	333	325	248	140	108	7	3	-
35	Malappuram	3257	1624	1633	353	217	136	31	51	-
36	Manjery	5199	2788	2411	670	413	257	102	64	-
37	Perinthalmanna	6375	3281	3094	735	433	302	62	53	-
38	Ponnani	2458	1291	1167	265	154	111	25	15	-
39	Tirur	5965	2995	2970	462	297	165	20	74	-
40	Kozhikkodu Corporation	28130	14544	13586	7834	4897	2937	653	1016	-
41	Vadakara	6745	3659	3086	495	276	219	26	59	-
42	Kannur	4475	2294	2181	472	281	191	18	50	-
43	Mattannur	2496	1275	1221	187	108	79	9	8	-
44	Thalassery	10425	5317	5108	1354	721	633	85	79	-
45	Thaliparamba	4095	2004	2091	399	232	167	28	24	-
46	Kanhangadu	5177	2678	2499	575	332	243	59	62	-
47	Kasargode	5923	2523	3400	497	252	245	133	63	1



**Table 4**

**Total No. of Births, Deaths, Still Births, Infant Deaths and Maternal Deaths in Corporations and Municipalities Having a Population of 30,000 and above - District wise**

Sl No	Districts	Births	Deaths	Still Birth	Infant Death	Maternal Death
1	2	3	4	5	6	7
1.	Thiruvananthapuram	39584	8229	168	630	-
2.	Kollam	17036	2586	44	259	2
3.	Pathanamthitta	11375	1560	57	109	-
4.	Alappuzha	14149	3075	81	224	-
5.	Kottayam	7051	1018	55	30	-
6.	Idukki	4046	388	-	45	-
7.	Ernakulam	27096	6618	213	418	3
8.	Trissur	20593	3308	197	393	2
9.	Palakkad	18396	3366	147	302	5
10.	Malappuram	23254	2485	240	257	-
11.	Kozhikkode	34875	8329	679	1075	-
12.	Waynad	-	-	-	-	-
13.	Kannur	21491	2412	140	161	-
14.	Kasargode	11100	1072	192	125	1

Table 5

## Total No. of Vital events and its rates in Corporations / Municipalities 1991

1	Corporation/ Municipality	Live Birth		Death		Still Birth		Infant Death		Maternal Death	
	2	No. 3	Rate 4	No. 5	Rate 6	No. 7	Rate 8	No. 9	Rate 10	No. 11	Rate 12
1	Neyyattinkara	3568	116.96	251	8.23	10	2.79	17	4.76	-	-
2	Trivandrum Corp.	30376	57.81	7424	14.13	143	4.69	602	19.82	-	-
3	Attingal	974	29.75	137	4.18	5	5.11	2	2.05	-	-
4	Nedumangad	2468	49.28	185	3.69	-	-	9	3.65	-	-
5	Varkala	2198	56.12	232	5.92	10	4.53	-	-	-	-
6	Kollam	13798	98.62	2080	14.87	22	1.59	233	16.89	2	0.14
7	Paravoor	22	0.59	132	3.54	-	-	1	45.45	-	-
8	Punalur	3216	69.32	374	8.06	22	6.79	25	7.77	-	-
9	Thiruvalla	5339	97.28	837	15.25	34	6.33	67	12.55	-	-
10	Adoor	2949	110.46	320	11.99	14	4.72	-	-	-	-
11	Pathanamthitta	3136	87.15	335	9.31	23	7.28	17	5.42	-	-
12	Pandalam	2900	76.69	388	10.26	-	-	41	14.14	-	-
13	Alappuzha	8800	50.34	2102	12.02	50	5.65	175	19.89	-	-
14	Mavelikkara	3755	132.41	380	13.40	11	2.92	16	4.26	-	-
15	Kayamkulam	2761	40.99	395	5.86	21	7.55	19	6.88	-	-
16	Cherthala	2588	59.60	578	13.31	11	4.23	30	11.59	-	-
17	Chengannur	1320	12.35	259	10.00	12	9.01	12	9.09	-	-
18	Kanjirappally	565	15.09	172	4.60	17	29.21	5	8.85	-	-
19	Changanasserry	692	13.19	305	5.81	14	19.83	16	23.12	-	-
20	Vaikom	811	37.22	243	11.15	4	4.91	7	8.63	-	-
21	Erattupetta	412	19.25	46	2.15	2	4.83	-	-	-	-
22	Thodupuzha	4046	99.09	388	9.50	-	-	45	11.12	-	-
23	Palai	2615	119.41	349	15.94	24	9.09	16	6.12	-	-
24	Kottayam	3794	60.11	541	8.57	24	6.29	9	2.37	-	-
25	Cochin Corp.	17863	31.54	5065	8.94	169	9.37	312	17.47	-	-
26	Aluva	4705	190.50	421	17.01	31	6.54	41	8.71	1	0.21
27	Parur	2567	91.80	398	14.23	-	-	7	2.73	-	-
28	Perumbavoor	2690	108.81	316	12.78	16	5.91	20	7.43	1	0.37
29	Kothamangalam	4067	114.18	452	12.69	17	4.16	50	12.29	-	-
30	Moovattupuzha	2805	101.36	239	8.64	14	4.97	23	8.20	-	-
31	Thrippunithura	2467	48.04	339	6.60	16	6.44	8	3.24	1	0.41
32	Kalamassery	40	0.73	145	2.65	-	-	-	-	-	-
33	Eloor	269	7.79	133	3.85	1	3.70	2	7.43	-	-
34	Koothattukulam	988	58.49	294	17.41	2	2.02	5	5.06	-	-
35	Piravam	283	11.21	108	4.28	-	-	-	-	-	-
36	Angamali	2390	78.46	484	15.89	10	4.17	42	17.57	-	-
37	Guruvayoor Township	958	47.19	192	9.46	1	1.04	9	9.39	-	-
38	Kunnamkulam	1999	101.65	322	16.38	15	7.45	35	17.51	-	-
39	Thrissur	13622	182.86	2404	32.27	181	13.11	341	25.03	2	0.15
40	Kodungalloor	3475	110.84	351	11.20	9	2.58	30	8.63	-	-
41	Chalakkudy	2995	66.29	343	7.59	7	2.33	20	6.68	-	-
42	Iringalakkuda	1231	44.70	227	8.24	13	10.45	11	8.94	-	-
43	Chavakkad	501	13.22	210	5.54	-	-	2	3.99	-	-
44	Palakkad	8688	70.23	1804	14.58	56	6.40	203	23.36	5	0.58

Table 5 (cont..)

Sl No.	Corporation Municipality	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	12
45	Ottappalam	5122	113.40	667	14.77	14	2.73	75	14.64	-	-
46	Chittur-Thathamangalam	1763	54.92	374	11.65	15	8.44	4	2.27	-	-
47	Mannarghat	2165	47.28	273	5.96	55	24.77	17	7.85	-	-
48	Shornoor	658	16.57	248	6.25	7	10.53	3	4.56	-	-
49	Perinthalmanna	6375	162.25	735	18.70	62	9.63	53	8.31	-	-
50	Ponnani	2458	47.19	265	5.09	25	10.07	15	6.10	-	-
51	Tirur	5965	119.84	462	9.28	20	3.34	74	12.41	-	-
52	Malappuram	3257	65.07	353	7.05	31	9.43	51	15.66	-	-
53	Manjery	5199	74.36	670	9.58	102	19.24	64	12.31	-	-
54	Badagara	6745	92.74	495	6.81	26	3.84	59	8.75	-	-
55	Kozhikkode Corp.	28130	66.86	7834	18.62	653	22.69	1016	36.12	-	-
56	Kalpetta	1300	56.17	180	7.78	2	1.54	20	15.38	-	-
57	Tellicherry	10425	100.46	1354	13.05	85	8.09	79	7.58	-	-
58	Payyannur	4333	67.28	470	7.30	26	5.96	10	2.31	-	-
59	Kannur	4475	68.44	472	7.22	18	4.01	50	11.17	-	-
60	Thalipparamba	4095	67.58	399	6.58	28	6.79	24	5.86	-	-
61	Mattannur	2496	61.14	187	4.58	9	3.59	8	3.21	-	-
62	Kuthuparamba	1468	50.51	175	6.02	-	-	2	1.36	-	-
63	Kannur Cantornment	2851	590.14	574	118.81	14	4.89	14	4.91	-	-
64	Kanjangad	5177	89.92	575	9.99	59	11.27	62	11.98	-	-
65	Kasargode	5923	117.57	497	9.87	133	21.96	63	10.64	1	0.17

**Table 6**  
**Live Birth by type of attention at delivery 1991 - Rural and Urban**

Sl No.	Dist	Urban Towns with Population												
		Below 30,000					Above 30,000							
		Rural Domiciliary					Physician							
Total	Institutional	Physician /Nurse And trained Mid wife	un-qualified Mid wife	Others	Institutional	Physician /Nurse And trained Mid wife	un-qualified Mid wife	Others	Institutional	Physician /Nurse And trained Mid wife	un-qualified Mid wife	Others		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	TVM	53379	11737	732	239	1087	-	-	-	-	39337	235	8	4
2	KLM	39948	20401	1837	468	206	-	-	-	-	17009	1	-	26
3	PTA	21212	6442	152	198	96	2939	-	-	10	10974	183	-	218
4	ALP	28381	7336	1210	324	287	4947	16	-	112	13270	823	18	38
5	KTM	31696	18899	296	196	1416	3596	69	124	49	5912	1033	12	94
6	IDK	16318	10286	1064	490	432	-	-	-	-	4031	-	-	15
7	ERK	49471	7219	308	199	611	13979	-	-	59	26673	342	36	45
8	TSR	53220	25098	360	482	2499	3919	153	-	116	20273	21	-	299
9	PLD	47724	20364	2434	5223	1307	-	-	-	-	17383	418	75	520
10	MPM	80918	29308	1225	22915	4216	-	-	-	-	21397	1004	373	480
11	KZD	55529	18135	190	1692	637	-	-	-	-	31386	-	-	3489
12	WYN	12674	7437	1681	2056	200	1298	1	-	1	-	-	-	-
13	KNR	45125	8769	2207	1896	2110	4265	40	-	14	24341	186	33	1264
14	KGD	22102	7235	323	3055	389	-	-	-	-	11053	47	-	-
	State	557697	198666	14019	39433	15493	34943	279	124	361	243039	4293	555	6492

**Table 7****Live Birth according to order of Birth and Literacy of Mother - Kerala(Rural) 1991**

Order of	Literacy					Total
	Illiterate	Below Matriculation	Matriculation/ Higher Secondary	Graduation and above	Not Reported	
1	2	3	4	5	6	7
01	3088	58799	42860	7062	365	112174
02	3193	49095	30800	4182	204	87474
03	2384	26992	8392	812	99	38679
04	1330	11965	1460	86	154	14995
05	823	5372	291	26	15	6527
06	557	2736	97	2	9	3401
07	373	1460	20	3	18	1874
08	229	936	8	1	3	1177
09	154	536	8	6	1	705
10	90	282	1	-	1	374
11 & above	36	147	2	6	3	194
Not Reported	-	29	5	2	1	37
<b>Total</b>	<b>12257</b>	<b>158349</b>	<b>83944</b>	<b>12188</b>	<b>873</b>	<b>267611</b>

**Table 8****Live Birth according to order of Birth and Literacy of Mother - Kerala(Urban) 1991**

Order of Birth	Literacy					Total
	Illiterate	Below Matriculation	Matriculation/ Higher Secondary and Equivalent	Graduation and above	Not Reported	
1	2	3	4	5	6	7
01	2453	58843	61138	14428	437	137299
02	1936	48432	41339	8781	307	100795
03	1393	21247	10843	1616	139	35238
04	632	6988	1716	215	42	9593
05	404	2993	387	87	25	3896
06	215	1324	91	15	16	1661
07	146	571	18	2	9	746
08	103	317	19	1	2	442
09	50	123	1	-	1	175
10	36	101	4	-	3	144
11 & above	7	21	2	-	-	30
Not Reported	14	34	9	1	9	67
<b>Total</b>	<b>7389</b>	<b>140994</b>	<b>115567</b>	<b>25146</b>	<b>990</b>	<b>290086</b>

**Table 9****Live Birth according to order of Birth and Literacy of Father - Kerala(Rural) 1991**

Literacy						
Order of Birth	Illiterate	Below Metriculation	Metriculation/ Higher Secondary and Equivalent	Graduation and above	Not Reported	Total
1	2	3	4	5	6	7
01	2825	62600	40194	6319	236	112174
02	2935	52598	27627	4169	145	87474
03	1912	27887	7831	971	78	38679
04	1033	12138	1604	179	41	14995
05	666	5384	415	45	17	6527
06	415	2830	121	23	12	3401
07	268	1542	52	8	4	1874
08	169	967	30	7	4	1177
09	115	562	23	3	2	705
10	81	276	13	3	1	374
11 & above	48	136	6	2	2	194
Not Reported	-	26	10	1	-	37
<b>Total</b>	<b>10467</b>	<b>166946</b>	<b>77926</b>	<b>11730</b>	<b>542</b>	<b>267611</b>

**Table 10****Live Birth according to order of Birth and Literacy of Father - Kerala(Urban) 1991**

Order of Birth	Literacy					Total
	Illiterate	Below Metriculation	Metriculation/ Higher Secondary and Equivalent	Graduation and above	Not Reported	
1	2	3	4	5	6	7
01	2545	62847	57188	14331	388	137299
02	1916	51373	37886	9319	301	100795
03	1335	21320	10491	1970	122	35238
04	545	6838	1852	331	27	9593
05	337	2865	557	107	30	3896
06	192	1267	164	29	9	1661
07	122	573	41	5	5	746
08	80	322	33	2	5	442
09	25	139	10	-	-	175
10	28	108	8	-	-	144
11 & above	5	21	3	1	-	30
Not Reported	9	35	14	1	8	67
<b>Total</b>	<b>7139</b>	<b>147708</b>	<b>108247</b>	<b>26096</b>	<b>896</b>	<b>290086</b>



**Table 11****Live Birth according to order of Birth and occupation of Father - Kerala(Rural) 1991**

Order of Birth	Professional Technical & related workers	Adminis- trative, Execut- ive, Manage- ment, workers	Clerical workers	Sale workers	Service workers	Farmers fisher- men, Hunters, loggers & related workers	Productive & related workers Transport, Equipment & Labourers	Others whose occup- ation is not elsewh- ere classifi- ed	Non workers	Total
1	2	3	4	5	6	7	8	9	10	11
01	3868	776	2647	15588	4750	10297	66074	234	7940	112174
02	2955	556	2121	9350	3399	9258	53318	188	6329	87474
03	875	156	510	4270	1308	3993	25162	84	2321	38679
04	252	46	96	1683	373	1565	10149	40	791	14995
05	92	7	24	802	190	620	4449	14	329	6527
06	53	1	8	397	125	319	2273	6	219	3401
07	20	3	4	231	85	218	1224	3	86	1874
08	17	8	9	149	51	141	723	11	68	1177
09	10	1	3	93	34	93	435	3	33	705
10	2	2	2	37	13	56	223	3	36	374
11 & above	1	-	1	25	5	36	110	4	12	194
Not Reported	-	-	1	9	1	5	19	1	1	37
<b>Total</b>	<b>8145</b>	<b>1556</b>	<b>5426</b>	<b>32634</b>	<b>10334</b>	<b>26601</b>	<b>164159</b>	<b>591</b>	<b>18165</b>	<b>267611</b>

**Table 12****Live Birth according to order of Birth and occupation of Father - Kerala(Urban) 1991**

Order of Birth	Professional Technical & related workers	Administrative, Executive, Management, workers	Clerical workers	Sale workers	Service workers	Farmers fisher- men, Hunters, loggers & related workers	Productive & related workers Transport, equipment & Labourers	Others whose occupa- tion is not elsew- ere classifi- ed	Non workers	Total
1	2	3	4	5	6	7	8	9	10	11
1	6388	3252	7717	19790	5487	10080	77510	576	6499	137299
2	4487	2144	5240	14408	3978	8288	57032	338	4880	100795
3	1287	687	1285	4797	1068	2955	21606	79	1474	35238
4	285	248	259	1365	214	812	5983	41	386	9593
5	101	80	120	668	102	321	2313	38	153	3896
6	38	36	48	313	32	164	936	7	87	1661
7	10	20	15	138	20	64	438	9	32	746
8	4	4	7	91	16	45	232	4	39	442
9	6	2	5	44	5	21	86	-	6	175
10	2	6	1	22	2	18	86	-	7	144
11 & above	-	-	1	4	1	12	11	-	1	30
Not Reported	1	-	1	18	1	6	24	15	1	67
<b>Total</b>	<b>12609</b>	<b>6479</b>	<b>14699</b>	<b>41658</b>	<b>10926</b>	<b>22786</b>	<b>166257</b>	<b>1107</b>	<b>13565</b>	<b>290086</b>

**Table 13****Live Birth by order of Birth and Age of Mother - Kerala 1991 ( Rural )**

Birth	Age of Mother									
	Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 and above	Not Reported	All ages
1	2	3	4	5	6	7	8	9	10	11
1	23	22853	58568	26289	3743	523	80	14	81	112174
2	-	4190	45719	29145	6854	1356	137	46	27	87474
3	-	582	13900	17362	5124	1427	210	64	10	38679
4	-	33	2419	7527	3498	1289	176	41	12	14995
5	-	10	281	2533	2212	1230	214	42	5	6527
6	-	-	46	737	1287	1109	203	18	1	3401
7	-	-	3	169	612	844	206	38	2	1874
8	-	-	-	30	287	644	173	43	-	1177
9	-	-	-	12	109	382	146	53	3	705
10	-	-	-	1	26	191	124	31	1	374
11 & Above	-	-	-	-	6	78	79	30	1	194
Not Reported	-	-	4	11	3	-	4	3	12	37
<b>Total</b>	<b>23</b>	<b>27668</b>	<b>120940</b>	<b>83816</b>	<b>23761</b>	<b>9073</b>	<b>1752</b>	<b>423</b>	<b>155</b>	<b>267611</b>

**Table 14****Live Birth by order of Birth and Age of Mother - Kerala 1991 (urban)**

Order of Birth	Age of Mother									
	Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 and above	Not Reported	All ages
1	2	3	4	5	6	7	8	9	10	11
1	3	23430	70756	34876	6583	1309	136	16	190	137299
2	-	2561	41249	42271	12309	2086	193	18	108	100795
3	-	206	11573	15871	5922	1542	97	8	19	35238
4	-	-	1688	4720	2237	854	84	4	6	9593
5	-	-	311	1712	1123	668	70	10	2	3896
6	-	-	2	512	594	434	99	15	5	1661
7	-	-	-	63	295	311	62	7	8	746
8	-	-	-	18	141	204	68	9	2	442
9	-	-	-	3	38	95	25	14	-	175
10	-	-	-	-	20	75	40	9	-	144
11 & Above	-	-	-	-	8	9	10	3	-	30
Not Reported	-	-	-	-	6	20	16	5	20	67
<b>Total</b>	<b>3</b>	<b>26197</b>	<b>125579</b>	<b>100046</b>	<b>29276</b>	<b>7607</b>	<b>900</b>	<b>118</b>	<b>360</b>	<b>290086</b>

**Table-15****Live Birth by age of Mother in Corporations and Municipalities Kerala - 1991**

Sl No.	Corporation/ Municipality	Age-of-Mother									Total
		below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 & Above	Not Reported	
1	2	3	4	5	6	7	8	9	10	11	12
1	Neyyattinkara	-	211	1797	1236	253	63	-	-	8	3568
2	Thiruvananthapuram-Corp	-	1813	14603	10045	3070	720	47	1	77	30376
3	Attingal	-	63	494	303	98	16	-	-	-	974
4	Nedumangad	-	219	1433	660	127	18	2	-	9	2468
5	Varkala	-	193	1057	819	114	11	4	-	-	2198
6	Kollam-	-	1008	3862	7652	1088	163	20	5	-	13798
7	Paravoor	-	-	6	8	4	3	1	-	-	22
8	Punalur	-	207	1756	1024	190	36	2	1	-	3216
9	Thiruvalla	-	110	1609	2334	1122	149	15	-	-	5339
10	Adoor	-	60	1199	1092	581	13	3	1	-	2949
11	Pathanamthitta-	-	204	1413	1157	284	63	3	-	12	3136
12	Pandalam	-	91	1359	1080	300	54	6	-	10	2900
13	Mavelikkara	-	172	1825	1330	353	68	4	1	2	3755
14	Kayamkulam	-	206	1464	898	171	20	2	-	-	2761
15	Cherthala	-	62	997	1148	309	69	3	-	-	2588
16	Chengannur	-	52	627	481	140	18	2	-	-	1320
17	Alappuzha-	-	213	3994	3131	1100	271	75	7	9	8800
18	Kangirappally	-	11	176	245	102	26	5	-	-	565
19	Changanassery	-	112	1338	1017	180	42	2	1	-	2692
20	Vaikom	-	12	357	339	83	19	1	-	-	811
21	Erattupetta	-	14	218	156	20	4	-	-	-	412
22	Pala	-	47	847	1191	429	87	8	-	6	2615
23	Kottayam-	-	94	1391	1666	548	88	5	-	2	3794
24	Kochi--Corp.	-	750	7232	7083	2260	497	38	3	-	17863
25	Aluva	-	228	2486	1555	359	57	3	-	17	4705
26	Parur	-	363	997	865	253	88	1	-	-	2567
27	Perumbavoor	-	93	1185	1069	291	41	4	-	7	2690
28	Kothamangalam	-	185	1441	1906	435	96	2	2	-	4067
29	Moovattupuzha	-	126	1376	979	275	44	5	-	-	2805
30	Thrippunithura	-	43	1135	920	322	44	2	1	-	2467
31	Kalamassery	-	2	17	16	4	1	-	-	-	40

Table 15 (cont..)

Sl No.	Corporation/ Municipality	Age-of-Mother									Total
		Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 & Above	Not Reported	
1	2	3	4	5	6	7	8	9	10	11	12
32	Eloor	-	7	121	113	25	3	0	0	0	269
33	Koothattukulam	-	10	402	436	114	25	1	0	0	988
34	Piravam	-	13	113	126	27	4	0	0	0	283
35	Angamali	-	36	915	1140	246	52	1	0	0	2390
36	Thodupuzha	-	95	1352	1701	711	166	17	0	4	4046
37	Guruvayoor-Town-ship	-	85	406	350	96	16	1	0	4	958
38	Kunnamkulam	-	202	852	695	203	42	4	1	0	1999
39	Thrissur	-	526	4456	6333	1907	368	21	11	0	13622
40	Kodungallur	-	203	1788	1081	312	61	4	0	26	3475
41	Chalakkudy	-	83	1312	1255	279	49	5	1	11	2995
42	Iringalakkuda	-	147	739	267	61	17	0	0	0	1231
43	Chavakkad	-	47	217	158	52	23	4	0	0	501
44	Palakkad	-	908	4036	2785	765	178	16	0	0	8688
45	Ottappalam	2	771	2108	1501	594	116	21	2	7	5122
46	Chittur-Thathamangalam	-	148	787	662	108	49	7	2	0	1763
47	Mannarkkad	-	329	1174	391	135	98	28	3	7	2165
48	Shoranur	-	76	284	214	63	18	2	1	0	658
49	Perinthalmanna	-	1717	2452	1401	511	227	41	15	11	6375
50	Ponnani	-	477	1037	589	246	79	16	7	7	2458
51	Thirur	-	1285	1813	1658	718	323	158	10	0	5965
52	Malappuram	-	1220	865	610	300	240	10	0	12	3257
53	Manjeri	-	966	1979	1176	719	340	15	4	0	5199
54	Vadakara	-	1227	3382	1517	414	181	20	4	0	6745
55	Kozhikkode-Corp.	-	3782	13206	8059	2190	773	76	7	37	28130
56	Kalpetta	-	155	668	347	86	31	7	1	5	1300
57	Thalassery	-	1334	4773	2988	958	330	35	6	1	10425
58	Payyannur	-	444	2700	866	223	75	9	0	16	4333
59	Kannur	-	502	1936	1362	473	179	19	4	0	4475
60	Thalipparampu	-	492	1647	1365	403	134	19	8	27	4095
61	Mattannur	-	252	1334	626	196	73	11	4	0	2496
62	Koothuparambu	-	147	753	372	119	56	7	0	14	1468
63	Kannur-Cant.	-	45	1598	927	179	86	16	0	0	2851
64	Kanjhangadu	-	582	2685	1409	352	125	16	1	7	5177
65	Kasaragode	1	922	2001	2156	626	181	28	3	5	5923

**Table 16****Live Birth by Religion in the Corporations and Municipalities of Kerala 1991**

Sl No.	Corporation / Municipality	Hindu	Muslim	Christian	Other s	Total
1	2	3	4	5	6	7
1	Neyyattinkara	2186	142	1240	-	3568
2	Thiruvananthapuram-Corp	24262	3403	2708	3	30376
3	Attingal	673	294	7	-	974
4	Nedumangad	1742	466	260	-	2468
5	Varkala	1621	530	47	-	2198
6	Kollam-	7338	4283	2177	-	13798
7	Paravoor	16	3	3	-	22
8	Punalur	2033	518	665	-	3216
9	Thiruvalla	2442	143	2754	-	5339
10	Adoor	1892	273	784	-	2949
11	Pathanamthitta-	1839	215	1082	-	3136
12	Pandalam	2148	182	570	-	2900
13	Mavelikkara	2945	126	684	-	3755
14	Kayamkulam	2133	449	179	-	2761
15	Cherthala	2157	68	363	-	2588
16	Chengannur	899	11	410	-	1320
17	Alappuzha-	4829	1855	2116	-	8800
18	Kangirappally	99	74	392	-	565
19	Changanassery	1586	181	923	2	2692
20	Vaikom	714	32	65	-	811
21	Erattupetta	188	90	134	-	412
22	Pala	1106	62	1447	-	2615
23	Kottayam-	1959	1039	796	-	3794
24	Kochi-Corp.	7620	3344	6897	2	17863
25	Aluva	2202	1538	965	-	4705
26	Parur	1630	323	614	-	2567
27	Perumbavoor	1213	598	878	-	2689
28	Kothamangalam	1378	898	1788	3	4067
29	Moovattupuzha	1255	705	845	-	2805
30	Thrippunithura	1959	48	460	-	2467
31	Kalamassery	19	14	7	-	40
32	Eloor	151	29	89	-	269

Table 16 (cont...)

Sl.No.	Corporation / Municipality	Hindu	Muslim	Christian	Other	Total
1	2	3	4	5	6	7
33	Koothattukulam	326	1	661		988
34	Piravam	134	0	149		283
35	Angamali	565	7	1818		2390
36	Thodupuzha	1477	588	1981		4046
37	Guruvayoor-Town-ship	488	443	27		958
38	Kunnankulam	1061	759	179		1999
39	Thrissur-	6834	1740	5048		13622
40	Kodungallur	2160	1095	220		3475
41	Chalakkudy	1385	113	1497		2995
42	Iringalakkuda	966	181	84		1231
43	Chavakkad	194	292	15		501
44	Palakkad	6509	2028	151		8688
45	Ottappalam	3654	1397	71		5122
46	Chittur-Thathamangalam	1498	231	34		1763
47	Mannarkkad	830	1278	57		2165
48	Shoranur	548	97	13		658
49	Perinthalmanna	1976	4239	160		6375
50	Ponnani	679	1776	3		2458
51	Thirur	1759	4206	0		5965
52	Malappuram	1178	2041	38		3257
53	Manjeri	1370	3739	90		5199
54	Vadakara	3754	2977	13	1	6745
55	Kozhikkode-Corp.	15910	10207	2012	1	28130
56	Kalpetta	470	512	317	1	1300
57	Thalassery	6036	4226	163		10425
58	Payyannur	3257	953	123		4333
59	Kannur	1997	2328	150		4475
60	Thalipparampu	1843	1389	863		4095
61	Mattannur	1407	856	233		2496
62	Koothuparambu	667	661	140		1468
63	Kannur-Cant.	1635	1104	112		2851
64	Kanjhangadu	3724	886	567		5177
65	Kasaragode	2324	3549	50		5923



Table 17

## Live Birth by Religion in Kerala (District wise) - 1991

District	Rural/Urban	Total Births	Hindus	Muslim	Christians	Oth- ers
1	2	3	4	5	6	7
Thiruvananthapuram	Rural	13795	8191	2071	3531	2
	urban	39584	30484	4835	4262	3
	<b>Total</b>	<b>53379</b>	<b>38675</b>	<b>6906</b>	<b>7793</b>	<b>5</b>
Kollam	Rural	22912	14292	4660	3960	-
	urban	17036	9387	4804	2845	-
	<b>Total</b>	<b>39948</b>	<b>23679</b>	<b>9464</b>	<b>6805</b>	<b>-</b>
Pathanamthitta	Rural	6888	3289	332	3265	2
	urban	14324	8321	813	5190	-
	<b>Total</b>	<b>21212</b>	<b>11610</b>	<b>1145</b>	<b>8455</b>	<b>2</b>
Alappuzha	Rural	9157	6169	958	2030	-
	urban	19224	12963	2509	3752	-
	<b>Total</b>	<b>28381</b>	<b>19132</b>	<b>3467</b>	<b>5782</b>	<b>-</b>
Kottayam	Rural	20807	9339	1202	10266	-
	urban	10889	5652	1478	3757	2
	<b>Total</b>	<b>31696</b>	<b>14991</b>	<b>2680</b>	<b>14023</b>	<b>2</b>
Idukkui	Rural	12272	6810	549	4911	2
	urban	4046	1477	588	1981	-
	<b>Total</b>	<b>16318</b>	<b>8287</b>	<b>1137</b>	<b>6892</b>	<b>2</b>
Ernakulam	Rural	8337	3718	578	4041	-
	urban	41134	18542	7505	15082	5
	<b>Total</b>	<b>49471</b>	<b>22260</b>	<b>8083</b>	<b>19123</b>	<b>5</b>
Thrissur	Rural	28439	15846	7468	5125	-
	urban	24781	13088	4623	7070	-
	<b>Total</b>	<b>53220</b>	<b>28934</b>	<b>12091</b>	<b>12195</b>	<b>-</b>
Palakkad	Rural	29328	17238	11085	1005	-
	urban	18396	13039	5031	326	-
	<b>Total</b>	<b>47724</b>	<b>30277</b>	<b>16116</b>	<b>1331</b>	<b>-</b>
Malappuram	Rural	57664	10129	46681	854	-
	urban	23254	6962	16001	291	-
	<b>Total</b>	<b>80918</b>	<b>17091</b>	<b>62682</b>	<b>1145</b>	<b>-</b>
Kozhikode	Rural	20654	7256	12029	1369	-
	urban	34875	19664	13184	2025	2
	<b>Total</b>	<b>55529</b>	<b>26920</b>	<b>25213</b>	<b>3394</b>	<b>2</b>
Waynad	Rural	11374	5047	3113	3214	-
	urban	1300	470	512	317	1
	<b>Total</b>	<b>12674</b>	<b>5517</b>	<b>3625</b>	<b>3531</b>	<b>1</b>
Kannur	Rural	14982	6097	6461	2424	-
	urban	30143	16842	11517	1784	-
	<b>Total</b>	<b>45125</b>	<b>22939</b>	<b>17978</b>	<b>4208</b>	<b>-</b>
Kasargode	Rural	11002	4754	5839	409	-
	urban	11100	6048	4435	617	-
	<b>Total</b>	<b>22102</b>	<b>10802</b>	<b>10274</b>	<b>1026</b>	<b>-</b>
State	Rural	267611	118175	103026	46404	6
	urban	290086	162939	77835	49299	13
	<b>Total</b>	<b>557697</b>	<b>281114</b>	<b>180861</b>	<b>95703</b>	<b>19</b>

**Table-18****Month wise distribution of live births in Kerala 1991(Rural/Urban)**

	Month	Rural	Urban	Total
1	2	3	4	5
1	January	21013	23017	44030
2	February	21318	21685	43003
3	March	23645	24527	48172
4	April	24526	26395	50921
5	May	25037	26769	51806
6	June	24082	25910	49992
7	July	23708	26335	50043
8	August	21215	23097	44312
9	September	20811	21722	42533
10	October	21107	24200	45307
11	November	20264	23786	44050
12	December	20885	22643	43528
13	State	267611	290086	557697

**Table 19****Sex- Ratio of Live Births in Kerala ( District wise) 1991**

District	Rural/Urban	Male	Female	Sex-Ratio
1	2	3	4	5
Thiruvananthapuram	Rural	7119	6676	938
	urban	19630	19954	1016
	<b>Total</b>	<b>26749</b>	<b>26630</b>	<b>996</b>
Kollam	Rural	11580	11332	979
	urban	8867	8169	921
	<b>Total</b>	<b>20447</b>	<b>19501</b>	<b>954</b>
Pathanamthitta	Rural	3523	3365	955
	urban	7213	7111	986
	<b>Total</b>	<b>10736</b>	<b>10476</b>	<b>976</b>
Alappuzha	Rural	4689	4468	953
	urban	9784	9440	965
	<b>Total</b>	<b>14473</b>	<b>13908</b>	<b>961</b>
Kottayam	Rural	10674	10133	949
	urban	5568	5321	956
	<b>Total</b>	<b>16242</b>	<b>15454</b>	<b>951</b>
Idukki	Rural	6163	6109	991
	urban	1976	2070	1048
	<b>Total</b>	<b>8139</b>	<b>8179</b>	<b>1005</b>
Ernakulam	Rural	4308	4029	935
	urban	21171	19963	943
	<b>Total</b>	<b>25479</b>	<b>23992</b>	<b>942</b>
Thrissur	Rural	14673	13766	938
	urban	12495	12286	983
	<b>Total</b>	<b>27168</b>	<b>26052</b>	<b>959</b>
Palakkad	Rural	15111	14217	941
	urban	9239	9157	991
	<b>Total</b>	<b>24350</b>	<b>23374</b>	<b>960</b>
Malappuram	Rural	29785	27879	936
	urban	11979	11275	941
	<b>Total</b>	<b>41764</b>	<b>39154</b>	<b>938</b>
Kozhikode	Rural	10445	10209	977
	urban	18203	16672	916
	<b>Total</b>	<b>28648</b>	<b>26881</b>	<b>938</b>
Waynad	Rural	5804	5570	960
	urban	668	632	946
	<b>Total</b>	<b>6472</b>	<b>6202</b>	<b>958</b>
Kannur	Rural	7810	7172	918
	urban	15206	14937	982
	<b>Total</b>	<b>23016</b>	<b>22109</b>	<b>961</b>
Kasargode	Rural	5697	5305	931
	urban	5201	5899	1134
	<b>Total</b>	<b>10898</b>	<b>11204</b>	<b>1028</b>
State	Rural	137381	130230	948
	urban	147200	142886	971
	<b>Total</b>	<b>284581</b>	<b>273116</b>	<b>960</b>

**Table 20****Month wise Distribution of Deaths in Kerala 1991 ( Rural / Urban)**

SI No	Month	Rural	Urban	Total
1	2	3	4	5
1	January	8065	4052	12117
2	February	8390	3774	12164
3	March	7893	3815	11708
4	April	8062	3938	12000
5	May	8292	4000	12292
6	June	8869	4176	13045
7	July	11608	5158	16766
8	August	10193	4581	14774
9	September	9728	4262	13990
10	October	8553	4291	12844
11	November	8403	3751	12154
12	December	8904	4161	13065
13	State	106960	49959	156919

**Table 21**  
**Deaths by Age and Sex in Kerala 1991**

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	1107	906	2013	2384	1918	4302	3491	2824	6315
2	1 to 4 years	473	450	923	499	567	1066	972	1017	1989
3	5 to 14 Years	780	664	1444	630	553	1183	1410	1217	2627
4	15 to 24 Years	1598	1303	2901	1131	817	1948	2729	2120	4849
5	25 to 34 Years	2280	1331	3611	1494	778	2272	3774	2109	5883
6	35 to 44 Years	3602	1510	5112	2281	943	3224	5883	2453	8336
7	45 to 54 Years	5797	2373	8170	3565	1414	4979	9362	3787	13149
8	55 to 64 Years	9879	4440	14319	5255	2560	7815	15134	7000	22134
9	65 and above	35838	32592	68430	12427	10589	23016	48265	43181	91446
10	Not Reported	18	19	37	90	64	154	108	83	191
11	Total	61372	45588	106960	29756	20203	49959	91128	65791	156919

**Table 22**  
**Death by Religion In Kerala ( District wise ) 1991**

District	Rural/Urban	Hindus	Muslim	Christians	Others	Total
1	2	3	4	5	6	7
Thiruvananthapuram	Rural	5912	606	1690	-	8208
	urban	6880	529	800	20	8229
	<b>Total</b>	<b>12792</b>	<b>1135</b>	<b>2490</b>	<b>20</b>	<b>16437</b>
Kollam	Rural	6338	1122	1493	-	8953
	urban	1340	533	713	-	2586
	<b>Total</b>	<b>7678</b>	<b>1655</b>	<b>2206</b>	<b>-</b>	<b>11539</b>
Pathanamthitta	Rural	2698	96	2088	-	4882
	urban	734	79	1067	-	1880
	<b>Total</b>	<b>3432</b>	<b>175</b>	<b>3155</b>	<b>-</b>	<b>6762</b>
Alappuzha	Rural	5783	326	1451	-	7560
	urban	2681	337	696	-	3714
	<b>Total</b>	<b>8464</b>	<b>663</b>	<b>2147</b>	<b>-</b>	<b>11274</b>
Kottayam	Rural	4876	329	4298	-	9503
	urban	849	111	696	-	1656
	<b>Total</b>	<b>5725</b>	<b>440</b>	<b>4994</b>	<b>-</b>	<b>11159</b>
Idukkui	Rural	2650	142	1218	1	4011
	urban	245	27	116	-	388
	<b>Total</b>	<b>2895</b>	<b>169</b>	<b>1334</b>	<b>1</b>	<b>4399</b>
Ernakulam	Rural	4368	601	2822	-	7791
	urban	4249	994	3151	-	8394
	<b>Total</b>	<b>8617</b>	<b>1595</b>	<b>5973</b>	<b>-</b>	<b>16185</b>
Thrissur	Rural	8451	1553	2500	-	12504
	urban	2536	727	786	-	4049
	<b>Total</b>	<b>10987</b>	<b>2280</b>	<b>3286</b>	<b>-</b>	<b>16553</b>
Palakkad	Rural	8592	2433	371	-	11396
	urban	2722	560	84	-	3366
	<b>Total</b>	<b>11314</b>	<b>2993</b>	<b>455</b>	<b>-</b>	<b>14762</b>
Malappuram	Rural	3686	5931	206	1	9824
	urban	739	1710	36	-	2485
	<b>Total</b>	<b>4425</b>	<b>7641</b>	<b>242</b>	<b>1</b>	<b>12309</b>
Kozhikode	Rural	4907	2389	301	-	7597
	urban	5227	2759	343	-	8329
	<b>Total</b>	<b>10134</b>	<b>5148</b>	<b>644</b>	<b>-</b>	<b>15926</b>
Waynad	Rural	1592	522	583	-	2697
	urban	113	39	28	-	180
	<b>Total</b>	<b>1705</b>	<b>561</b>	<b>611</b>	<b>-</b>	<b>2877</b>
Kannur	Rural	5262	1766	802	-	7830
	urban	2534	926	170	1	3631
	<b>Total</b>	<b>7796</b>	<b>2692</b>	<b>972</b>	<b>1</b>	<b>11461</b>
Kasargode	Rural	2918	1119	167	-	4204
	urban	810	226	36	-	1072
	<b>Total</b>	<b>3728</b>	<b>1345</b>	<b>203</b>	<b>-</b>	<b>5276</b>
State	Rural	68033	18935	19990	2	106960
	urban	31659	9557	8722	21	49959
	<b>Total</b>	<b>99692</b>	<b>28492</b>	<b>28712</b>	<b>23</b>	<b>156919</b>

**Table 23**

**Distribution of Deaths due to some Specified Diseases — 1991**

S/No	District	Total Death																			
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
	1	Thiruvananthapuram	16437	512	74	7	1333	300	1	0	3	4	760	1	48	23	109	52	3162	846	9202
	2	Kollam	11539	686	38	2	870	375	3	2	0	5	733	1	3	9	52	43	2391	1500	4826
	3	Pathanamthitta	6762	224	30	-	520	128	7	0	1	2	457	1	2	33	44	21	1741	1521	2030
	4	Alappuzha	11274	815	107	7	1216	348	3	2	5	2	645	-	8	3	37	25	2675	1599	3777
	5	Kottayam	11159	372	42	3	678	247	8	-	0	2	622	1	4	3	47	11	1914	1575	5630
	6	Idukki	4399	181	45	-	388	51	1	-	6	5	202	-	3	1	19	7	729	389	2372
	7	Ernakulam	16185	635	90	9	1355	453	17	8	4	3	953	-	-	7	132	34	3150	1316	8019
	8	Thrissur	16553	908	65	5	1832	291	37	1	3	3	1241	1	16	2	48	30	3642	1450	6978
	9	Palakkad	14762	1808	270	9	907	430	8	-	1	13	1001	1	3	4	80	42	2060	1913	6212
	10	Malappuram	12309	842	178	-	1056	293	9	1	1	3	996	1	-	13	37	23	2097	2105	4654
	11	Kozhikode	15926	625	36	7	1019	316	2	1	1	-	939	1	-	5	10	53	2237	2178	8496
	12	Waynad	2877	164	27	-	183	36	1	-	1	-	112	-	1	1	15	9	470	212	1645
	13	Kannur	11461	649	52	-	1046	208	2	-	2	2	1131	-	-	34	66	54	2000	2153	4062
	14	Kasaragode	5276	450	36	2	398	155	1	1	-	-	255	-	2	18	27	1012	605	2314	
	15	State	156919	8871	1090	51	12801	3631	100	16	28	44	10047	8	88	140	714	431	29280	19362	70217

**Table 24**  
**Infant Death by Sex - Kerala (District wise) - 1991**

Sl.No.	District	Rural/Urban	Male	Female	Total
1	2	3	4	5	6
1	Thiruvananthapuram	Rural	31	27	58
2		urban	333	297	630
3		<b>Total</b>	<b>364</b>	<b>324</b>	<b>688</b>
4	Kollam	Rural	108	80	188
5		urban	155	104	259
6		<b>Total</b>	<b>263</b>	<b>184</b>	<b>447</b>
7	Pathanamthitta	Rural	23	16	39
8		urban	71	54	125
9		<b>Total</b>	<b>94</b>	<b>70</b>	<b>164</b>
10	Alappuzha	Rural	19	20	39
11		urban	138	114	252
12		<b>Total</b>	<b>157</b>	<b>134</b>	<b>291</b>
13	Kottayam	Rural	243	201	444
14		urban	28	25	53
15		<b>Total</b>	<b>271</b>	<b>226</b>	<b>497</b>
16	Idukkui	Rural	86	61	147
17		urban	23	22	45
18		<b>Total</b>	<b>109</b>	<b>83</b>	<b>192</b>
19	Ernakulam	Rural	64	49	113
20		urban	305	219	524
21		<b>Total</b>	<b>369</b>	<b>268</b>	<b>637</b>
22	Thrissur	Rural	111	66	177
23		urban	249	199	448
24		<b>Total</b>	<b>360</b>	<b>265</b>	<b>625</b>
25	Palakkad	Rural	97	87	184
26		urban	174	128	302
27		<b>Total</b>	<b>271</b>	<b>215</b>	<b>486</b>
28	Malappuram	Rural	118	108	226
29		urban	134	123	257
30		<b>Total</b>	<b>252</b>	<b>231</b>	<b>483</b>
31	Kozhikode	Rural	23	27	50
32		urban	595	480	1075
33		<b>Total</b>	<b>618</b>	<b>507</b>	<b>1125</b>
34	Waynad	Rural	62	40	102
35		urban	12	8	20
36		<b>Total</b>	<b>74</b>	<b>48</b>	<b>122</b>
37	Kannur	Rural	92	76	168
38		urban	103	84	187
39		<b>Total</b>	<b>195</b>	<b>160</b>	<b>355</b>
40	Kasargode	Rural	30	48	78
41		urban	64	61	125
42		<b>Total</b>	<b>94</b>	<b>109</b>	<b>203</b>
43	State	<b>Rural</b>	<b>1107</b>	<b>906</b>	<b>2013</b>
44		<b>urban</b>	<b>2384</b>	<b>1918</b>	<b>4302</b>
45		<b>Total</b>	<b>3491</b>	<b>2824</b>	<b>6315</b>



**Table 25****Infant Deaths by Age & Sex in Kerala - 1991**

Sl.		Rural			Urban			Total		
No.	Age	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10	11
1	Under one Week	674	520	1194	1460	1054	2514	2134	1574	3708
2	One Week to one Month	151	141	292	335	280	615	486	421	907
3	One Month but below 3 months	106	107	213	235	241	476	341	348	689
4	Three Months but below Six months	82	56	138	117	131	248	199	187	386
5	Six Months but below Twelve months	94	82	176	237	212	449	331	294	625
6	Total	1107	906	2013	2384	1918	4302	3491	2824	6315

**Table 26****Maternal Deaths in Kerala by Age at Death - 1991**

Sl No	Age at Death	Rural	Urban		
			Township with Population 30,000 & Above	All Other Urban Areas	Total for all Areas
1	2	3	4	5	6
1	Below 15 Years	0	0	0	0
2	15 - 19	3	1	1	5
3	20 - 24	4	-	-	4
4	25 - 29	5	1	-	6
5	30 - 34	7	3	1	11
6	35 - 39	10	3	-	13
7	40 - 44	-	-	-	-
8	45 and Above	-	-	-	-
9	Not Reported	9	3	-	12
10	<b>Total</b>	<b>38</b>	<b>11</b>	<b>2</b>	<b>51</b>



