



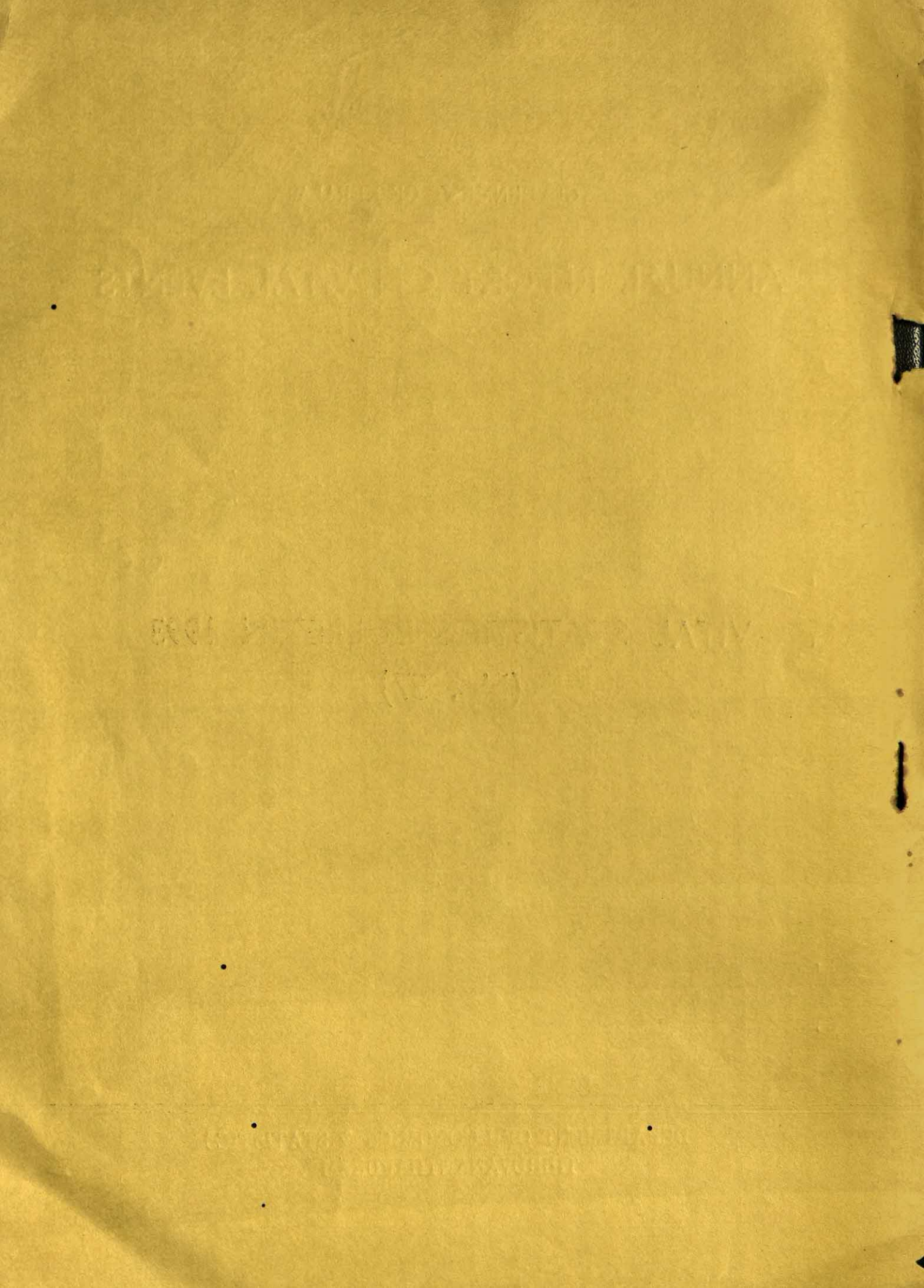
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GOVERNMENT OF KERALA

ANNUAL REPORT ON VITAL EVENTS

VITAL STATISTICS BULLETIN 1993
(No. 57)

DEPARTMENT OF ECONOMICS & STATISTICS
THIRUVANANTHAPURAM



DES
013-778

Annual Report on Vital Events



Vital Statistics Bulletin 1993 No. 57

Department of Economics & Statistics



Contents

Table	Particulars	Page No.
1	Total number of live births, deaths, still births, infant deaths, maternal deaths and their rates	8
2	District-wise Population - 1991	10
3	Total number of vital events in Corporations and Municipalities having population of 30,000 and above.	10
4	Total number of vital events in Corporations and Municipalities having population of 30,000 and above. district wise	12
5	Total number of vital events and its rates in Corporations and Municipalities	13
6	Live Births by type of attention at delivery - Rural and Urban	15
7	Live Births according to order of birth and literacy of mother - Rural	17
8	Live Births according to order of birth and literacy of mother - Urban.	17
9	Live Births according to order of birth and literacy of mother - State	18
10	Live Births according to order of birth and literacy of father - Rural.	18
11	Live Births according to order of birth and literacy of father - Urban	19
12	Live Births according to order of birth and literacy of father - State	19
13	Live Births according to order of birth and occupation of father - Rural	20
14	Live Births according to order of birth and occupation of father - Urban	21
15	Live Births according to order of birth and occupation of father - State	22
16	Live Births according to order of birth and age of mother - Rural.	22
17	Live Births according to order of birth and age of mother - Urban	23
18	Live Births according to order of birth and age of mother - State	23
19	Live Births according to age of mother in Corporations and Municipalities	24
20	Live Births by religion in Corporations and Municipalities -	26
21	Live Births by religion in Kerala - District - wise	28
22	Monthwise Distribution of live births in Kerala (Rural / Urban)	28
23	Sex ratio of live births in Kerala	29
24	Month wise Distribution of deaths in Kerala	30
25	Deaths by age and sex.	30
26	Deaths by religion - District - wise (Rural / Urban)	31
27	Percentage distribution of deaths due to some specified diseases.	32
28	Infant deaths by sex - District wise .	35
29	Infant deaths by age and sex.	36
30	Maternal deaths by age at death	36

10/10

10/10

10/10

10/10

10/10

10/10

10/10

10/10

10/10

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PREFACE

This Bulletin presents the Vital Statistics of Kerala for the calendar year 1993. The data relating to vital events received from the registering authorities viz. Panchayats, Municipalities and Corporations are processed and vital rates estimated.

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

Thiruvananthapuram
30-08-1997

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VITAL STATISTICS BULLETIN 1993

Introduction

The history of Civil Registration in India dates back to the middle of the Nineteenth century. It started with the registration of deaths with a view to introducing scrutiny reform for control of pestilence and disease and not so much for studying population trend. The Civil Registration is the process of continuous, permanent and compulsory recording of the occurrence and characteristic of vital events as defined in and as provided through a decree or regulation in accordance with the legal requirements of a country. The birth registration records provide legal proof of identity, civil status, age, nationality dependency status etc. As such the death register provide settlement or inheritance, insurance claims, claiming family allowances, other social security measures, etc.

The registration of events is a statutory activity performed under the provisions of the Registration of Birth and Death Act 1969. The Act has been enforced throughout the country and has made registration of all live births, deaths and still births compulsory. Compulsory registration of marriage and divorce has not been introduced so far. Failure to register such an event is punishable under this Act. Registration is done on de facto basis (place of occurrence). Completeness of registration for the country as a whole is estimated to be around 60% for birth and 50% of death.

The registration of births and deaths in the State is governed by the Birth and Death Registration Act of 1969 and the rules made thereunder. As per this Act the Civil Registration in the State is controlled by the Director of Panchayats in the statutory capacity of Chief Registrar of Births and Deaths. The Additional Director (General) of Economics and Statistics Department 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 & Deaths. The Additional District officers (Economics and Statistics) are the Additional District Registrar of Births and Deaths.

In the case of Panchayats, the Secretaries of the Panchayats are the Registrar of Births and Deaths. Likewise in Municipalities the Health Inspectors of the respective Municipalities are the Registrar of Births and Deaths. In Corporations, Health Officers are the Registrar of Births and Deaths.

As per the Kerala Registration of Births and Deaths Rules, the Birth and Death occurred should be registered within 21 days. Otherwise the events can be registered only with written permission and on payment of late fee as per the elapse of time for registration

→ **Source of Data**

The data required for the study of population is obtained mainly from three sources viz.,

1. Population Census
2. Registration of Vital events
3. Sample Survey

As per the Birth and Death Registration Act of 1969, Registrar General of India implemented the Registration of Vital events in all States of India for collecting population data yearwise. Accordingly 1049 Registration Units are functioning in the State at present. Regarding the Vital events, some ancillary information is also recorded. In case of births, such information includes the date of birth, the sex of the baby, the age of the mother, the number of her previous children, the order of birth, the place of residence of the mother, religion of the father and mother etc. Likewise in the case of death, information on the date and place of occurrence of death, age and sex of the deceased, usual residence of the deceased, cause of death, religion of the deceased etc. is recorded in the prescribed registers kept in the units. The details of Registration are enter in the birth, death and still birth cards in monthwise and forwarded these to the Directorate of Economics and Statistics for consolidating State level population data

→ **Limitation of the data**

Even though time is imposed to those who fail to register the events, the coverage of registration of vital events is not satisfactory. Because of under reporting the rates derived from registered vital events present a very distorted picture. The extend of non reporting of vital events is found to be very high in rural areas. The main reason for this deficiency may be the ignorance of the rural people about the importance of Registration of the events. It may be noted that the demand for birth certificates are very less due to non insisting the same even for school admission. Hence the people do not appreciate the necessity of Registering vital events. Most of the events

are occurring in urban area due to the availability of modern medical facilities in urban area, while the events registered in urban area belong to the events of rural people.

→ **Birth and Birth Rates**

The report of Registrar General of India indicate that 95% of the births are registered in Kerala. Birth rate is an important measure of fertility. Birth rate is the ratio of the total registered live birth in some specified year in a particular area to the total mid year population of that area multiplied by 1000 with the rapid urbanisation, encouraging late marriage, rapid development in modern medical facilities etc. the birth rate may reduce to expected level.

Analysing the birth rate of Kerala, it is noted that the same is decreasing continuously. Land area of Kerala is 1.7% of the total land area of India while Kerala is the second density populated State in India.

During the year under report the details of 5.30 lakhs registered live births, comprising of 2.43 lakhs of rural area and 2.87 lakhs of urban area have been analysed. The number of registered birth during the year with respect to previous year shown a slight increase of 0.07 lakhs. The registered birth rate for the State during the year 1993 is 17.67 same as for the year 1992. There is slight increase in the number of registered birth during the year under report when compared to previous year there is no change in the birth rate. But the rural and urban rates were 9.46 and 67.04 as against 9.57 and 64.45 during the previous year. The District wise birth rate with rural and urban break-up are shown in Table 1. As in previous years Malappuram district recorded the highest birth rate 23.92. when compared to previous year Malappuram district showed an increasing trend. The other districts were birth rates are above State rate are Thiruvananthapuram (16.92), Thrissur (18.28), Palakkad (18.11), Kozhikode (20.27), Kannur (17.89) and Kasaragod (19.86). As in the previous year the birth rate of lowest is Alappuzha district (13.16) followed by Idukki (13.26). All the districts except Alappuzha, Thrissur, Malappuram, Kozhikode, Kannur and Kasaragod showed a decreasing trend when compared to that of the previous year.

→ **Death and Death Rates**

Death rate is the most simple and the most commonly used measure of mortality. It is the number of death per thousand population (mid year population). The important use of the crude death rate is that it provide one of the basis for computing the rate of natural increase in population. Generally, population change depends on three factors viz. Fertility, Mortality and Migration.

During the year under report 1.61 lakhs death cards of which 1.11 lakhs from rural area and 0.5 lakhs for urban area were consolidated for analysis. The registered death has been

decreased from 1.63 lakhs to 1.61 lakhs during the year. The registered death rate for the State for the year under report is 5.38. A slight decrease in the State death rate is noted when compared to that of the previous year (5.40). The rural and urban break-up are 4.34 and 11.60 respectively. The districtwise analysis shows that Pathanamthitta district recorded the highest death rate of 6.45 followed by Thrissur (6.40) and Kottayam (6.04). Malappuram district shows the lowest death rate of 3.83. The death rate in the districts of Idukki is 3.86, Kasaragod 4.28, Kannur 4.99 and Wayanad 5.17 where the death rate is below the State average.

➔ **Infant Death Rate**

Infant is defined as an exact age group namely age zero or those children in the first year of life who have not reached age one. The infant mortality rate is generally computed as a ratio of infant death (deaths of children under one year of age) registered in a calendar year to the number of 1000 live birth registered in the same year

Total number of infant death during the year under report is 5557 of which 1404 were reported in rural area and 4153 were reported in urban area. The infant death rate for the year is 10.48 with rural and urban rates 5.76 and 14.47 respectively. The corresponding rates for the previous year were 9.84, 5.24 and 13.79 respectively. It shows a slight increase during the current year. Kozhikode district recorded the highest infant death rate of 19.23 followed by Thiruvananthapuram (12.97), Thrissur (12.90), Ernakulam (12.25), Wayanad (11.62) and Alappuzha (11.15). All other districts show infant death rate below the state rate. Malappuram district shows the lowest infant death rate of 5.88.

➔ **Maternal Death Rate**

Maternal death means women die as a result of pregnancy and child-birth. It is the risk faced by a woman at each pregnancy; her life time chance of maternal death will also depend on the number of time she become pregnant. Maternal death may occur in the following cases. Firstly the age of the women and the number of her previous pregnancies. Secondly lack of adequate spacing between pregnancy will lead to maternal death. Recently maternal death are very less due to the availability of modern medical facilities. During the year under report the total number of maternal deaths derived from statutory registration were 9 out of which 7 from rural and 2 from urban. The maternal death rate for the year is 0.02 as against 0.03 for the previous year.

➔ **Still Birth Rate**

Factual death is death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, the death is indicated by the fact

that after such separation the foetus does not breath or shows any other evidence of life. If such a product of conception has attained at least 28 weeks of gestation it will be termed as Still Birth.

The total number of still birth reported during the year under report is 2692 as against 2782 in the previous year. The still birth rate during the year is 5.05 as against 5.29 in the previous year. Still Birth rate is highest in Kozhikode district (12.90) and lowest in Malappuram (1.79). The Still birth rates in respect of other districts are Kannur (2.38), Palakkad (2.89), Idukki (3.31), Thiruvananthapuram (3.51), Pathanamthitta (4.10), Kottayam (4.31) and Kollam (4.48) and these are below the state rate.

+ **Conclusion**

Malappuram district stood high in birth rate and low in death rate, infant death and still birth rates. District stood first in low birth rate is Alappuzha. There is no change in the birth rate during the year when compared to that of the previous year. The death rate shows a slight decrease during the year as against the previous year. With limited exception almost all the vital rates were higher in urban areas compared to the rural areas. This is due to the fact that the registration of vital events is defacto and there availability of modern medical facilities in urban areas are being utilised by the rural people also. Infant death rates and still birth rates are highest in Kozhikode district as in the previous year.

Table 1

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

District	Rural/ Urban	stimated mi year Population (‘000)	Live Births			Deaths		
			Number	Rate		Number	Rate	
				1993	1992		1993	1992
1	2	3	4	5	6	7	8	9
Thiruvananthapuram	Rural	2350	12155	5.17	5.27	8369	3.56	3.6
	urban	690	39268	56.91	57.62	8717	12.63	12.1
	Total	3040	51423	16.92	17.2	17086	5.62	5.54
Kollam	Rural	2259	22120	9.79	9.81	9106	4.03	3.97
	urban	225	16099	71.55	74.88	2470	10.98	11
	Total	2484	38219	15.39	15.76	11576	4.66	4.62
Pathanamthitta	Rural	1107	7860	7.1	5.84	6090	5.5	5.07
	urban	119	10609	89.15	90.26	1819	15.28	12.04
	Total	1226	18469	15.06	16.72	7909	6.45	5.97
Alappuzha	Rural	1722	7998	4.64	4.86	8159	4.74	4.72
	urban	343	19185	55.93	54.14	3927	11.45	10.41
	Total	2065	27183	13.16	13.13	12086	5.85	5.67
Kottayam	Rural	1727	20394	11.81	12.32	9952	5.76	5.86
	urban	159	9641	60.64	52.4	1436	9.03	8.38
	Total	1886	30035	15.93	16.22	11388	6.04	6.1
Idukki	Rural	1070	10421	9.74	10.58	3877	3.62	3.97
	urban	42	4319	102.83	99.88	412	9.81	11.34
	Total	1112	14740	13.26	13.92	4289	3.86	4.24
Ernakulam	Rural	2011	8605	4.28	3.88	8239	4.1	4.16
	urban	896	39216	43.77	43.49	8196	9.15	9.11
	Total	2907	47821	16.45	16.71	16435	5.65	5.76
Thrissur	Rural	2565	24235	9.45	9.95	13777	5.37	5.14
	urban	259	27388	105.75	93.83	4304	16.62	16.39
	Total	2824	51623	18.28	17.71	18081	6.4	6.19
Palakkad	Rural	2207	27339	12.39	12.52	11486	5.2	5.24
	urban	251	17168	68.39	62.86	2814	11.21	10.53
	Total	2458	44507	18.11	18.6	14300	5.82	5.88
Malappuram	Rural	2923	51742	17.7	17.12	9565	3.27	3.31
	urban	272	24670	90.7	85.76	2675	9.83	9.43
	Total	3195	76412	23.92	22.94	12240	3.83	3.83
Kozhikode	Rural	2143	17394	8.12	8.53	7727	3.61	3.74
	urban	560	37403	66.79	68.83	8369	14.94	16.81
	Total	2703	54797	20.27	19.76	16096	5.95	6.17
Waynad	Rural	670	9955	14.86	16.58	3317	4.95	4.26
	urban	24	1833	76.38	56.04	274	11.42	9.83
	Total	694	11788	16.99	17.97	3591	5.17	4.46
Kannur	Rural	1995	12063	6.05	6.44	8381	4.2	4.23
	urban	328	29440	89.76	76.33	3219	9.81	9.28
	Total	2323	41503	17.87	17.72	11600	4.99	5.04
Kasargode	Rural	993	11266	11.35	10.8	3702	3.73	7.87
	urban	112	10684	95.39	90.49	1024	9.14	9.56
	Total	1105	21950	19.86	18.84	4726	4.28	8.04
State	Rural	25742	243547	9.46	9.57	111747	4.34	4.48
	urban	4280	286923	67.04	64.45	49656	11.6	11.32
	Total	30022	530470	17.67	17.67	161403	5.38	5.49

Table 1 (Contd..)

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

District	Rural / Urban	Still Birth			Infant Deaths			Maternal Deaths		
		No	Rate		No.	Rate		No	Rate	
			1993	1992		1993	1992		1993	1992
1	2	10	11	12	13	14	15	16	17	18
Thiruvananthapuram	Rural	19	1.56	1.8	37	3.04	4.2			
	urban	162	4.11	3.97	630	16.04	15.5			0.08
	Total	181	3.51	3.46	667	12.93	12.48			0.06
Kollam	Rural	81	3.65	4.06	101	4.57	6.77			0.05
	urban	91	5.62	4.27	213	13.23	12.64			
	Total	172	4.48	4.15	314	8.22	9.32			0.03
Pathanamthitta	Rural	20	2.54	1.62	31	3.94	3.57	1	0.13	0.16
	urban	56	5.25	4.81	111	10.46	9.3			
	Total	76	4.1	3.84	142	7.69	7.56	1	0.05	0.05
Alappuzha	Rural	22	2.74	2.78	39	4.88	5.71			0.61
	urban	121	6.27	5.64	264	13.76	13.23	1	0.05	
	Total	143	5.23	4.76	303	11.15	10.91	1	0.04	0.19
Kottayam	Rural	72	3.52	4.42	220	10.79	10.05			0.05
	urban	58	5.98	6.08	52	5.39	4.96			
	Total	130	4.31	4.94	272	9.06	8.45			0.03
Idukki	Rural	32	3.06	3.92	97	9.31	7.78			
	urban	17	3.92	5.59	38	8.8	5.37			
	Total	49	3.31	4.37	135	9.16	7.13			
Ernakulam	Rural	21	2.43	1.86	97	11.27	8.77	3	0.35	
	urban	223	5.65	6.49	489	12.47	11.73			
	Total	244	5.08	5.77	586	12.25	11.27	3	0.06	
Thrissur	Rural	83	3.41	4.23	177	7.3	5.64			
	urban	327	11.8	9.7	489	17.85	17.1			0.04
	Total	410	7.88	6.92	666	12.9	11.26			0.02
Palakkad	Rural	55	2.01	3.1	143	5.23	3.34			0.04
	urban	74	4.29	5.94	240	13.98	13.3			0.05
	Total	129	2.89	4.26	383	8.61	7.41			0.04
Malappuram	Rural	73	1.41	1.35	179	3.46	4.03			
	urban	64	2.59	2.74	270	10.94	7.16			0.04
	Total	137	1.79	1.79	449	5.88	5.02			0.01
Kozhikode	Rural	33	1.89	6.86	49	2.82	2.38	1	0.06	
	urban	683	17.93	16.7	1005	26.87	30.64			0.03
	Total	716	12.9	11.2	1054	19.23	20.72	1	0.02	0.02
Waynad	Rural	64	6.39	6.62	110	11.05	8.22	1	0.1	
	urban				27	14.73	7.43	1	0.55	
	Total	64	5.4	5.9	137	11.62	8.14	2	0.17	
Kannur	Rural	36	2.98	3.4	60	4.97	5.59			
	urban	63	2.14	5.19	200	6.79	6.14			
	Total	99	2.38	4.64	260	6.26	5.97			
Kasargode	Rural	34	3.01	4.8	64	5.68	1.98	1	0.09	
	urban	108	10.01	16.21	125	11.7	9.14			
	Total	142	6.43	10.35	189	8.61	5.45	1	0.05	
State	Rural	645	2.64	3.03	1404	5.76	5.24	7	0.03	0.04
	urban	2047	7.08	7.21	4153	14.47	13.79	2	0.01	0.02
	Total	2692	5.05	5.29	5557	10.48	9.84	9	0.02	0.03

Table 2

Census Population of Districts - Rural, Urban - Sexwise

(Population in Thousands)

Sl.No	District	Population of towns					Population of towns 10000 & above	
		Total	Rural		Urban		Male	Female
			Male	Female	Male	Female		
	2	3	4	5		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	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		
13	Kannur	2252	919	966	180	187	113	116
14	Kasargode	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 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
1	Attingal	1287	630	657	132	62	70	7	-	-
2	Nedumangad	1675	923	752	228	128	100	-	2	-
3	Neyyattinkara	3680	1847	1833	281	147	134	-	12	-
4	Trivandrum Corp	30884	15524	15360	7830	4276	3554	143	612	-
5	Varkala	1742	843	899	246	144	102	9	4	-
6	Kollam	12718	6430	6288	1976	1253	723	69	186	-
7	Paravur	246	136	110	127	65	62	-	2	-
8	Punalur	3135	1604	1531	367	204	163	22	25	-
9	Pathanamthitta	2970	1477	1493	314	191	123	11	13	-
10	Thiruvalla	4959	2549	2410	862	548	314	25	59	-

Table 3 (Cont.)

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
11	Alappuzha	8794	4562	4232	2237	1311	926	73	181	-
12	Cherthala	2205	1142	1063	620	384	236	6	35	-
13	Kayamkulam	3182	1681	1501	415	258	157	14	14	1
14	Changanacherry	2284	1061	1223	315	169	146	3	11	-
15	Kottayam	3314	1754	1560	563	341	222	12	5	-
16	Thodupuzha	4319	2165	2154	412	256	156	17	38	-
17	Angamali	2613	1305	1308	497	352	145	8	50	-
18	Kalamassery(m)	22	18	4	126	88	38	-	-	-
19	Kochi Corpor.	17731	9217	8514	5325	3242	2083	102	322	-
20	Kothamangalam	4167	2093	2074	417	244	173	10	36	-
21	Thrippunithura	2308	1088	1220	474	289	185	-	7	-
22	Chalakkudy	3695	1957	1738	422	269	153	17	25	-
23	Chavakkadu	523	244	279	196	109	87	6	-	-
24	Kodungalloor	4242	2137	2105	413	258	155	-	18	-
25	Thrissur	14462	7121	7341	2574	1399	1175	268	419	-
26	Chittur Thathamangalam	1745	908	837	272	145	127	6	24	-
27	Ottappalam	5430	2675	2755	619	387	232	5	52	-
28	Palakkad	9332	4879	4453	1669	1119	550	59	72	-
29	Shornur	661	333	328	254	151	103	4	5	-
30	Malappuram	3509	1754	1755	377	210	167	8	29	-
31	Manjery	5496	2883	2613	698	439	259	-	68	-
32	Perinthalmanna	7197	3653	3544	933	602	331	14	109	-
33	Ponnani	2151	1165	986	266	168	98	19	22	-
34	Tirur	6317	3198	3119	401	229	172	23	42	-
35	Kozhikkodu Cor.	30618	15222	15396	7809	4799	3010	656	978	-
36	Vadakara	6785	3478	3307	560	303	257	27	27	-
37	Kannur	4614	2396	2218	594	352	242	6	87	-
38	Mattannur	2840	1422	1418	207	144	63	-	-	-
39	Payyannur	5256	2861	2395	518	289	229	-	38	-
40	Thalassery	10782	5251	5531	1282	682	600	52	68	-
41	Thaliparamba	4625	2442	2183	359	240	119	-	-	-
42	Kanhangadu	4184	2340	1844	537	333	204	2	48	-
43	Kasargode	6500	3287	3213	487	282	205	106	77	-

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 - 1993

SI No	Districts	Births	Deaths	Still Birth	Infant Death	Maternal Death
1	2	3	4	5	6	7
1	Thiruvananthapuram	39268	8717	162	630	-
2	Kollam	16099	2470	91	213	-
3	Pathanamthitta	7929	1176	36	78	-
4	Alappuzha	14181	3272	93	234	1
5	Kottayam	5598	878	15	16	-
6	Idukki	4319	412	17	38	-
7	Ernakulam	22674	6422	110	379	-
8	Trissur	22922	3605	297	456	-
9	Palakkad	17168	2814	74	240	-
10	Malappuram	24670	2675	64	270	-
11	Kozhikkode	37403	8369	683	1005	-
12	Waynad	-	-	-	-	-
13	Kannur	28117	2960	58	193	-
14	Kasargode	10684	1024	108	125	-
	State	251032	44794	1808	3877	1

Table 5

Total No. of Vital events and its rates in Corporations / Municipalities 1993

Sl. No	Corporation/ Municipality	Live Births		Deaths		Still Births		Infant Deaths		Maternal Deaths	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1	2	3	4	5	6	7	8	9	10	11	12
1	Attingal	1287	38.56	132	3.96	7	5.41	-	-	-	-
2	Nedumangad	1675	32.61	228	4.44	-	-	2	1.19	-	-
3	Neyyattinkara	3680	118.6	281	9.06	-	-	12	3.26	-	-
4	Trivandrum Corp.	30884	57.83	7830	14.66	143	4.61	612	19.82	-	-
5	Varkala	1742	43.28	246	6.11	9	5.14	4	2.33	-	-
6	Kollam	12718	90.65	1976	14.08	69	5.4	186	14.62	-	-
7	Paravoor	246	6.55	127	3.38	-	-	2	8.13	-	-
8	Punalur	3135	66.6	367	7.8	22	6.97	25	7.97	-	-
9	Pathanamthitta	2970	81.15	314	8.58	11	3.69	13	4.38	-	-
10	Thiruvalla	4959	89.34	862	15.53	25	5.02	59	11.9	-	-
11	Adoor	2680	99.12	643	23.78	20	7.41	39	14.55	-	-
12	Alappuzha	8794	50.03	2237	12.73	73	8.23	181	20.58	-	-
13	Cherthala	2205	50.1	620	14.09	6	2.71	35	15.87	-	-
14	Kayamkulam	3182	46.39	415	6.05	14	4.38	14	4.4	1	0.31
15	Chengannur	1419	54.34	212	8.12	8	5.61	5	3.52	-	-
16	Mavelikara	3585	124.87	443	15.43	20	5.55	29	8.09	-	-
17	Changanasserry	2284	43.46	315	5.99	3	1.31	11	4.82	-	-
18	Kottayam	3314	52.72	563	8.96	12	3.61	5	1.51	-	-
19	Palai	2772	126.28	335	15.26	32	11.41	24	8.66	-	-
20	Vaikom	1271	57.95	223	10.17	11	8.58	12	9.44	-	-
21	Thodupuzha	4319	103.09	412	9.83	17	3.92	38	8.8	-	-
22	Angamali	2613	84.57	497	16.08	8	3.05	50	19.14	-	-
23	Kalamaseri	22	0.38	126	2.2	-	-	-	-	-	-
24	Kochi Corpo.	17731	30.71	5325	9.22	102	5.72	322	18.16	-	-

Table 5 (Contd....)

Total No. of Vital events and its rates in Corporations / Municipalities 1993

Sl. No	Corporation/ Municipality	Live Births		Deaths		Still Births		Infant Deaths		Maternal Deaths	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1	2	3	4	5	6	7	8	9	10	11	12
25	Kothamangalm	4167	115.36	417	11.54	10	2.39	36	8.64	-	-
26	Tripunithara	2308	43.55	474	8.95	-	-	7	3.03	-	-
27	North Paravur	2434	86.01	360	12.72	19	7.75	10	4.11	-	-
28	Aluva	4399	178.41	352	14.28	38	8.56	22	5	-	-
29	Perumbavoor	2514	100.33	328	13.09	10	3.96	20	7.96	-	-
30	Moovattupuzha	3028	107.54	317	11.26	11	3.62	22	7.27	-	-
31	Chalakydy	3695	80.6	422	9.21	17	4.58	25	6.77	-	-
32	Chavakkad	523	13.53	196	5.07	6	11.34	-	-	-	-
33	Kodungallur	4242	132.68	413	12.92	-	-	18	4.24	-	-
34	Thrissur	14462	195.83	2574	34.85	268	18.19	419	28.97	-	-
35	Guruvayoor	854	41.04	212	10.19	4	4.66	4	4.68	-	-
36	Irijalakuda	1298	46.64	236	8.48	5	3.84	11	8.47	-	-
37	Kunnamkulam	2314	117.41	251	12.74	21	8.99	18	7.78	-	-
38	Chithur-Thathamam	1745	53.78	272	8.38	6	3.43	24	13.75	-	-
39	Ottappalam	5430	105.64	619	12.04	5	0.92	52	9.58	-	-
40	Palakkad	9332	73.9	1669	13.22	69	7.34	72	7.72	-	-
41	Shornoor	661	16.26	254	6.25	4	6.02	5	7.56	-	-
42	Malappuram	3509	67.04	377	7.2	8	2.27	29	8.26	-	-
43	Manjery	5496	74.76	698	9.49	-	-	68	12.37	-	-
44	Perithalmanna	7197	175.9	933	22.8	14	1.94	109	15.15	-	-
45	Ponnani	2151	39.84	266	4.93	19	8.76	22	10.23	-	-
46	Tirur	6317	122.13	401	7.75	23	3.63	42	6.65	-	-
47	Kozhikode Corpora.	30618	71.88	7809	18.33	656	20.98	978	31.94	-	-
48	Vadakara	6785	91.06	560	7.52	27	3.96	27	3.98	-	-
49	Kalpetta	1833	75.28	274	11.25	-	-	27	14.73	1	0.55
50	Kannur	4614	69.6	594	8.96	6	1.3	87	18.86	-	-
51	Mattannur	2840	66.43	207	4.84	-	-	-	-	-	-
52	Payyannur	5256	78.88	518	7.77	-	-	38	7.23	-	-
53	Thalasseri	10782	137.25	1282	16.32	52	4.8	68	6.31	-	-
54	Koothuparamba	1323	44.11	259	8.64	5	3.77	7	5.29	-	-
55	Thalipparamba	4625	118.59	359	9.21	-	-	-	-	-	-
56	Kanjangad	4184	69.63	537	8.94	2	0.48	48	11.47	-	-
57	Kasargode	6500	125.2	487	9.38	106	16.05	77	11.85	-	-

Table 6

Live Birth by Type of Attention at Delivery 1993-Rural and Urban

Sl No.	District	Total	Rural					Urban towns with population						
			Domiciliary			Below 30,000		Above 30000						
			Institutional	Physician / Nurse & Trained midwife	Un-qualified midwife	Others	Institutional	Physician / Nurse & Trained midwife	Un-qualified midwife	Others	Institutional	Physician / Nurse & Trained midwife	Un-qualified midwife	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	TVM	51423	11837	253	65	-	-	-	-	-	39155	71	42	-
2.	KLM	38219	21608	132	368	12	-	-	-	-	15973	116	6	4
3.	PTA	18469	7599	49	212	-	2677	2	1	-	7896	25	5	3
4.	ALP	27183	7118	432	325	123	4992	8	4	-	14060	112	9	-
5.	KTM	30035	20311	34	12	37	4027	16	-	-	5582	12	4	-
6.	IDK	14740	9899	26	487	9	-	-	-	-	4298	16	5	-
7.	ERK	47821	8557	10	34	4	16528	12	2	-	22591	56	25	2
8.	TSR	51623	23757	107	371	-	4450	12	4	-	22851	37	22	12
9.	PLD	44507	20342	1035	5946	16	-	-	-	-	17076	7	66	19
10.	MPM	76412	33095	808	17829	10	-	-	-	-	23577	220	873	-
11.	KZD	54797	15620	197	1389	188	-	-	-	-	37173	158	48	24
12.	WYN	11788	7815	544	1552	44	1590	178	59	6	-	-	-	-
13.	KNR	41503	10720	228	1071	44	1294	5	6	18	27732	15	8	362
14.	KGD	21950	7934	680	1765	887	-	-	-	-	10598	55	14	17
	State	530470	206212	4535	31426	1374	35558	233	76	24	248562	900	1127	443

Table 7

Live Birth according to order of Birth and Literacy of Mother for the State (Rural) 1993

Order of birth	Literacy					Total
	Illiterate	Below Metriculation	Metriculation/ Higher Secondary	Graduation and above	Not Reported	
1	2	3	4	5	6	7
1	1923	47846	43241	7103	27	100140
2	2113	44920	35967	4481	34	87515
3	1459	22546	8276	757	19	33057
4	718	9666	1609	94	11	12098
5	388	4254	401	17	2	5062
6	256	2255	157	2	3	2673
7	142	1156	59	3	3	1363
8	106	622	39	1		768
9	58	363	13		1	435
10	36	212	6		1	255
11 & above	23	115	6			144
N.R	2	23	11		1	37
Total	7224	133978	89785	12458	102	243547

Table 8

Live Birth according to order of Birth and Literacy of Mother for the State (Urban) 1993

Order of birth	Literacy					Total
	Illiterate	Below Metriculation	Metriculation/ Higher Secondary	Graduation and above	Not Reported	
1	2	3	4	5	6	7
1	1184	58185	61445	13747	197	134958
2	1182	51020	46568	7911	120	106801
3	740	18750	9933	1238	44	30705
4	330	5896	2200	210	17	8653
5	163	2302	543	36	7	3051
6	90	1139	253	5	1	1488
7	49	515	64	8	3	639
8	29	235	42	3	1	310
9	16	142	35	1		194
10	12	75	6			93
11 & above	2	19	3	1		25
N.R			5	1		6
Total	3797	138283	121093	23360	390	286923

Table 9

Live Birth according to order of Birth and Literacy of Mother for the State - 1993

Order of birth	Literacy					Total
	Illiterate	Below Metriculation	Metriculation / Higher Secondary or Equivalent	Graduation and above	Not Reported	
1	2	3	4	5	6	7
1	3107	106031	104686	21050	224	235098
2	3295	95940	82535	12392	154	194316
3	2199	41296	18209	1995	63	63762
4	1048	15562	3809	304	28	20751
5	551	6556	944	53	9	8113
6	346	3394	410	7	4	4161
7	191	1671	123	11	6	2002
8	135	857	81	4	1	1078
9	74	505	48	1	1	629
10	48	287	12		1	348
11 & above	25	134	9	1		169
N.R	2	28	12		1	43
Total	11021	272261	210878	35818	492	530470

Table 10

Live Birth according to order of Birth and Literacy of Father for the State (Rural) 1993

Order of birth	Literacy					Total
	Illiterate	Below Metriculation	Metriculation/ Higher Secondary	Graduation and above	Not Reported	
1	2	3	4	5	6	7
1	1887	51396	40025	6805	27	100140
2	1979	48352	32768	4321	95	87515
3	1200	23585	7413	847	12	33057
4	586	9679	1684	141	8	12098
5	288	4283	447	42	2	5062
6	175	2275	216	7		2673
7	110	1175	75	2	1	1363
8	64	657	46	1		768
9	44	370	21			435
10	26	218	10		1	255
11 & above	14	123	7			144
N.R	1	30	5	1		37
Total	6374	142143	82717	12167	146	243547

Table 11

Live Birth according to order of Birth and Literacy of Father for the State (Urban) 1993

Order of birth	Literacy					
	Illiterate	Below Metricula- tion	Metriculat- ion/ Higher Secondar y	Graduatio n and above	Not Reported	Total
1	2	3	4	5	6	7
1	1304	64605	56767	12089	193	134958
2	1283	54576	42553	8235	154	106801
3	722	19266	9275	1376	66	30705
4	283	5857	2231	265	17	8653
5	138	2256	601	49	7	3051
6	67	1089	309	21	2	1488
7	35	488	101	12	3	639
8	25	230	53	2		310
9	16	135	42	1		194
10	2	80	10		1	93
11 & above	1	20	4			25
N.R	1	4	1			6
Total	3877	148606	111947	22050	443	286923

Table 12

Live Birth according to order of Birth and Literacy of Father for the State – 1993

Order of birth	Literacy					
	Illiterate	Below Metricula- tion	Metriculat- ion/ Higher Secondary	Graduation and above	Not Reported	Total
1	2	3	4	5	6	7
1	3191	116001	96792	18894	220	235098
2	3262	102928	75321	12556	249	194316
3	1922	42851	16688	2223	78	63762
4	869	15536	3915	406	25	20751
5	426	6539	1048	91	9	8113
6	242	3364	525	28	2	4161
7	145	1663	176	14	4	2002
8	89	887	99	3		1078
9	60	505	63	1		629
10	28	298	20		2	348
11 & above	15	143	11			169
N.R	2	34	6	1		43
Total	10251	290749	194664	34217	589	530470

Table 13

Live Birth according to order of Birth and occupation of Father - Kerala(Rural) 1993

Order of Birth	Professional, Technical & related workers	Administrative, Management workers	Clerical workers	Sale workers	Service workers	Farmers fisher-men, Hunters, loggers & related workers	Production & related workers	Transport, Equipment Labourers	Others whose occupation is not elsewhere classified	Non work-ers	Total
1	2	3	4	5	6	7	8	9	10	11	
1	3284	601	3972	10465	2131	7293	63442	2815	6137	100140	
2	2413	381	2816	8757	1579	6877	57599	2588	4505	87515	
3	355	62	422	2593	416	1799	25166	890	1354	33057	
4	80	9	81	958	120	557	9714	284	295	12098	
5	33	3	16	418	51	203	4086	136	116	5062	
6	7		5	239	26	125	2128	93	50	2673	
7	6		3	127	27	53	1051	60	36	1363	
8	2		2	62	16	42	596	30	18	768	
9	1			39	6	30	328	23	8	435	
10	1			27	4	9	192	17	5	255	
11 & above	2			6		8	117	11		144	
N.R	2			9	2	14	6	1	3	37	
Total	6186	1056	7317	23700	4378	17010	164425	6948	12527	243547	

Table 14

Live Birth according to order of Birth and occupation of Father - Kerala(Urban) 1993

Order of Birth	Professional, Technical & related workers	Administrative, Management workers	Clerical workers	Sale workers	Service workers	Farmers fishermen, Hunters, loggers & related workers	Production & related workers	Transport, Equipment Labourers Others whose occupation is not elsewhere classified	Non work-ers	Total
1	2	3	4	5	6	7	8	9	10	11
1	4059	1500	4555	15016	3368	9717	91372	1759	3612	134958
2	3072	1083	3979	11269	2158	7886	73262	1642	2450	106801
3	449	263	702	3520	542	1669	22454	315	791	30705
4	92	76	121	1228	157	392	6344	50	193	8653
5	17	33	29	380	45	147	2287	27	86	3051
6	17	3	5	243	6	95	1061	5	53	1488
7	5	2	2	129	14	26	431	13	17	639
8	1	1	1	49		14	238	3	3	310
9	1		2	23	4	8	153	1	2	194
10				8	2	7	74		2	93
11 & above		1		1		2	20	1		25
N.R				1		1	4			6
Total	7713	2962	9396	31867	6296	19964	197700	3816	7209	286923

Table 15

Live Birth according to order of Birth and occupation of Father - Kerala State 1993

Order of Birth	Professional, Technical & related workers	Administrative, Management workers	Clerical workers	Sale workers	Service workers	Farmers fisher-men, Hunters, loggers & related workers	Production & related workers	Transport, Equipment workers	Other workers whose occupation is not elsewhere classified	Non work-ers	Total
1	2	3	4	5	6	7	8	9	10	11	
1	7343	2101	8527	25481	5490	17010	154814	4574	9749	235098	
2	5485	1464	6795	20026	3737	14763	130861	4230	6955	194316	
3	804	325	1124	6113	958	3468	47620	1205	2145	63762	
4	172	85	202	2186	277	949	16058	334	488	20751	
5	50	36	45	798	96	350	6373	163	202	8113	
6	24	3	10	482	32	220	3189	98	103	4161	
7	11	2	5	256	41	79	1482	73	53	2002	
8	3	1	3	111	16	56	834	33	21	1078	
9	2		2	62	10	38	481	24	10	629	
10	1			35	6	16	266	17	7	348	
11 & above	2	1		7		10	137	12		169	
N.R	2			10	2	15	10	1	3	43	
Total	13899	4018	16713	55567	10674	36974	362125	10764	19736	530470	

Table 16

Live Birth by order of Birth and Age of Mother - Kerala 1993 (Rural)

Birth Order	Age of Mother									N.R	11
	Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 & above	10		
1	2	3	4	5	6	7	8	9	10	11	
1		4	20796	54646	21463	2679	483	53	11	5	100140
2			2126	41588	34712	7886	1104	79	15	5	87515
3			209	11306	15384	4848	1190	105	14	1	33057
4			11	1849	6048	2975	1109	98	8		12098
5				239	1929	1872	905	103	14		5062
6				102	540	1049	857	109	16		2673
7				20	122	442	630	131	17	1	1363
8					36	186	417	105	24		768
9					13	70	208	106	36	2	435
10					5	21	133	78	18		255
11 & Above						9	54	63	18		144
N.R			6		15	5		2		9	37
Total		4	23148	109750	80267	22042	7090	1032	191	23	243547

Table 17

Live Birth by order of Birth and Age of Mother - Kerala 1993 (Urban)

Birth Order	Age of Mother									All ages
	Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 & above	N.R	
1	2	3	4	5	6	7	8	9	10	11
1		21128	71623	35510	5505	1002	107	7	76	134958
2		1809	42456	48355	12074	1880	184	18	25	106801
3		153	9348	14467	5416	1204	105	8	4	30705
4		3	1812	3813	2314	651	53	4	3	8653
5			243	1303	991	452	53	9		3051
6			94	481	489	358	56	10		1488
7				87	242	263	41	6		639
8				35	81	146	44	4		310
9				20	39	87	45	3		194
10				3	10	45	31	4		93
11 & Above					1	12	12			25
N.R					3		3			6
Total		23093	125576	104074	27165	6100	734	73	108	286923

Table 18

Live Birth by order of Birth and Age of Mother - Kerala 1993

Birth Order	Age of Mother									All ages
	Below 15 years	15-19	20-24	25-29	30-34	35-39	40-44	45 & above	N.R	
1	2	3	4	5	6	7	8	9	10	11
1	4	41924	126269	56973	8184	1485	160	18	81	235098
2		3935	84044	83067	19960	2984	263	33	30	194316
3		362	20654	29851	10264	2394	210	22	5	63762
4		14	3661	9861	5289	1760	151	12	3	20751
5			482	3232	2863	1357	156	23		8113
6			196	1021	1538	1215	165	26		4161
7			20	209	684	893	172	23	1	2002
8				71	267	563	149	28		1078
9				33	109	295	151	39	2	629
10				8	31	178	109	22		348
11 & Above					10	66	75	18		169
N.R		6		15	8		5		9	43
Total	4	46241	235326	184341	49207	13190	1766	264	131	530470

Table 19

Live Birth by age of mother in Municipalities and Corporations - Kerala 1993

SL.No.	Municipality/ Corporation	Age of Mother									N.R	Total
		Below 15	15-19	20-24	25-29	30-34	35- 39	40- 44	45 & above			
1	2	3	4	5	6	7	8	9	10	11	12	
1	Neyyattinkara		224	1738	1483	194	25	9	7		3680	
2	Trivandrum -Corp		1679	13250	12007	3269	627	50	2		30884	
3	Attingal		87	639	414	125	20	2			1287	
4	Nedumangad		103	991	460	107	11	3			1675	
5	Varkala		185	892	523	123	15	3	1		1742	
6	Kollam-		789	6757	4584	982	170	19			12718	
7	Paravoor		12	101	90	41	2				246	
8	Punalur		121	1424	1547	31	6	4	2		3135	
9	Thiruvalla		89	1569	2279	788	193	14		27	4959	
10	Adoor		104	1280	1035	237	23	1			2680	
11	Pathanamthitta		112	1281	1213	324	40				2970	
12	Mavelikara		34	737	2577	146	23	14	2		3585	
13	Kayamkulam		163	1690	1107	189	28	5			3182	
14	Cherthala		42	989	758	338	55	18	5		2205	
15	Chengannur		39	542	634	182	22				1419	
16	Alappuzha		309	4026	3651	639	136	27	6		8794	
17	Changanassery		66	1025	978	200	14	1			2284	
18	Vaikom		16	553	545	133	23	1			1271	
19	Palai		41	864	1285	471	98	12	1		2772	
20	Kottayam		66	1270	1473	439	63	3			3314	
21	Kochi Corporation		676	6882	7565	2173	386	46	3		17731	
22	Aluva		141	1791	2003	410	53	1			4398	
23	Paravoor (north)		32	966	1050	356	30				2434	
24	Perumbavoor		66	1025	1083	291	46	3			2514	
25	Kothamangalam		67	1618	1862	502	112	4	2		4167	
26	Moovattupuzha		95	1176	1260	281	41	5			3028	
27	Thrippunithura		33	851	1036	330	53	4	1		2308	
28	Kalamassery			6	9	7					22	
29	Angamali		22	968	1262	315	44	2			2613	
30	Thodupuzha		75	1615	1832	646	134	17			4319	
31	Guruvayoor-Tow		73	374	280	99	25	3			854	
32	Kunnamkulam		238	1056	777	185	51	6	1		2314	

Table 19 (Contd...)

Live Birth by age of mother in Municipalities and Corporations - Kerala 1993 (Contd..)

SL.No.	Municipality/ Corporation	Age of Mother									Total
		Below 15	15-19	20-24	25-29	30-34	35- 39	40- 44	45 & above	N.R	
1	2	3	4	5	6	7	8	9	10	11	12
33	Thrissur		373	5368	7321	1116	208	76			14462
34	Kodungallur		250	2037	1502	365	82	5	1		4242
35	Chalakkudy		61	1558	1665	358	49	4			3695
36	Iringalakkuda		44	649	519	74	12				1298
37	Chavakkad		67	234	143	58	20	1			523
38	Palakkad		822	4260	2756	738	184	18	1		9332
39	Ottappalam		825	2567	1483	431	111	12	1		5430
40	Chittur- Thathamangalam		159	822	557	151	44	4	2		1745
41	Shoranur		60	304	218	63	15	1			661
42	Perinthalmanna		1846	2872	1642	545	248	41	3		7197
43	Ponnani		352	991	495	182	72	8	1		2151
44	Thirur		868	2376	2072	852	140	9			6317
45	Malappuram		891	1249	846	310	172	35	6		3509
46	Manjeri		1180	2216	1399	462	200	31	8		5496
47	Vadakara		1193	3359	1799	305	116	12	1		6785
48	Kozhikkode-Corp.		3944	14723	8472	2699	639	66	6	69	30618
49	Kalpetta		200	1002	484	109	34	3	1		1833
50	Thalassery		1284	4887	3231	984	363	26	3	4	10782
51	Payyannur		688	2523	1484	413	129	11	1	7	5256
52	Kannur		423	1802	1833	418	124	13	1		4614
53	Thalipparampu		462	2160	1416	405	156	25	1		4625
54	Mattannur		353	1007	1096	313	60	11			2840
55	Koothuparambu		73	719	446	72	12	4	1	2	1323
56	Kanjhangadu		383	2126	1275	313	81	4	2		4184
57	Kasaragode		632	2980	1909	659	275	42	3		6500

Table 20

Live Birth by Religion in the Corporations and Municipalities of Kerala 1993

Sl No.	Corporation / Municipality	Hindu	Muslim	Christian	Others	Total
1	2	3	4	5	6	7
1	Neyyattinkara	2155	490	1031	4	3680
2	Trivandrum -Corp	21791	6056	3035	2	30884
3	Attingal	912	370	5		1287
4	Nedumangad	1112	350	213		1675
5	Varkala	1221	492	29		1742
6	Kollam-	7873	2640	2205		12718
7	Paravoor	202	28	16		246
8	Punalur	1915	616	604		3135
9	Thiruvalla	1947	255	2757		4959
10	Adoor	1687	218	775		2680
11	Pathanamthitta	1579	674	717		2970
12	Mavelikara	2733	244	608		3585
13	Kayamkulam	1272	624	286		3182
14	Cherthala	1634	149	422		2205
15	Chengannur	823	17	579		1419
16	Alappuzha	5193	2031	1567	3	8794
17	Changanassery	1375	187	692		2284
18	Vaikom	1103	51	117		1271
19	Palai	1185	101	1485	1	2772
20	Kottayam	1746	161	1407		3314
21	Kochi Corporation	7683	3076	6953	19	17731
22	Aluva	1934	1553	912		4399
23	Paravoor (north)	973	125	230		2434
24	Perumbavoor	1134	522	858		2514
25	Kothamangalam	1333	833	2001		4167
26	Moovattupuzha	1451	735	842		3028
27	Thrippunithura	1738	78	492		2308
28	Kalamassery	10	6	6		22
29	Angamali	634	46	1933		2613
30	Thodupuzha	1722	634	1963		4319
31	Guruvayoor-Township	447	357	50		854
32	Kunnamkulam	1154	933	227		2314

Table 20 (Contd.)

Live Birth by Religion in the Corporations and Municipalities of Kerala 1993

Sl No.	Corporation / Municipality	Hindu	Muslim	Christian	Others	Total
1	2	3	4	5	6	7
33	Thrissur	10544	1330	2550	38	14462
34	Kodungallur	2632	1293	317		4242
35	Chalakkudy	1849	132	1714		3695
36	Iringalakkuda	960	132	206		1298
37	Chavakkad	220	263	40		523
38	Palakkad	7138	1896	298		9332
39	Ottappalam	3632	1712	86		5430
40	Chittur-Thathamangalam	1523	183	39		1745
41	Shoranur	561	93	7		661
42	Perinthalmanna	2198	4847	152		7197
43	Ponnani	613	1533	5		2151
44	Thirur	1831	4476	10		6317
45	Malappuram	565	2919	25		3509
46	Manjeri	1934	3482	80		5496
47	Vadakara	3437	3323	25		6785
48	Kozhikkode-Corporation	16285	13583	750		30618
49	Kalpetta	653	769	408	3	1833
50	Thalassery	6187	4347	248		10782
51	Payyannur	3453	1481	322		5256
52	Kannur	2413	2043	156	2	4614
53	Thalipparampu	1997	1498	1130		4625
54	Mattannur	1422	1089	329		2840
55	Koothuparambu	703	375	245		1323
56	Kanjhangadu	3051	560	573		4184
57	Kasaragode	2836	3579	85		6500

Table 21

Live Birth by Religion in Kerala (District wise) – 1993

District	Births		Total Births	Hindus	Muslim	Christian	Others
	Rural	Urban					
1	2	3	4	5	6	7	8
Thiruvananthapuram	12155	39268	51423	6584	2972	2591	8
Kollam	22120	16099	38219	13298	4573	4249	
Pathanamthitta	7860	10609	18469	3889	200	3771	
Alappuzha	7998	19185	27183	6071	624	1303	
Kottayam	20394	9641	30035	8821	1115	10457	1
Idukkui	10421	4319	14740	5597	514	4310	
Ernakulam	8605	39216	47821	3754	473	4377	1
Thrissur	24235	27388	51623	12512	5479	6244	
Palakkad	27339	17168	44507	15922	10604	812	1
Malappuram	51742	24670	76412	9042	41722	971	7
Kozhikode	17394	37403	54797	5710	10097	1585	2
Waynad	9955	1833	11788	4383	3128	2442	2
Kannur	12063	29440	41503	5152	4570	2341	
Kasargode	11266	10684	21950	4857	5664	745	
State	243547	286923	530470	105592	91735	46198	22

Table 22

Month wise distribution of live births in Kerala 1993 (Rural/Urban)

Sl.No	Month	Rural	Urban	Total
1	2	3	4	5
1	January	21063	24014	45077
2	February	20529	23379	43908
3	March	19551	23456	43007
4	April	19173	23126	42299
5	May	20661	24995	45656
6	June	21211	24662	45873
7	July	20294	25059	45353
8	August	20109	23828	43937
9	September	20794	23443	44237
10	October	19840	23439	43279
11	November	20336	23780	44116
12	December	19986	23742	43728
13	State	243547	286923	530470

Table 23

Sex-Ratio of Live Births in Kerala (District wise) -1993

District	Rural/Urban	Male	Female	Sex-Ratio
1	2	3	4	5
Thiruvananthapuram	Rural	6139	6016	980
	urban	19767	19501	987
	Total	25906	25517	985
Kollam	Rural	11287	10833	960
	urban	8170	7929	971
	Total	19457	18762	964
Pathanamthitta	Rural	4015	3845	958
	urban	5350	5259	983
	Total	9365	9104	972
Alappuzha	Rural	4137	3861	933
	urban	9860	9325	946
	Total	13997	13186	942
Kottayam	Rural	10501	9893	942
	urban	4878	4763	976
	Total	15379	14656	953
Idukkui	Rural	5362	5059	943
	urban	2165	2154	995
	Total	7527	7213	958
Ernakulam	Rural	4413	4192	950
	urban	20319	18897	930
	Total	24732	23089	934
Thrissur	Rural	12370	11865	959
	urban	13706	13682	998
	Total	26076	25547	980
Palakkad	Rural	14075	13264	942
	urban	8795	8373	952
	Total	22870	21637	946
Malappuram	Rural	26306	25436	967
	urban	12653	12017	950
	Total	38959	37453	961
Kozhikode	Rural	8780	8614	981
	urban	18700	18703	1000
	Total	27480	27317	994
Waynad	Rural	5010	4945	987
	urban	873	960	1100
	Total	5883	5905	1004
Kannur	Rural	6276	5787	922
	urban	15042	14398	957
	Total	24318	20185	946
Kasargode	Rural	5893	5373	912
	urban	5627	5057	899
	Total	11520	10430	905
State	Rural	124564	118983	955
	urban	145905	141018	967
	Total	270469	260001	961

Table 24

Month wise Distribution of Deaths in Kerala 1993 (Rural / Urban

Sl No	Month	Rural	Urban	Total
1	2	3	4	5
1	January	9997	4556	14553
2	February	8871	4089	12960
3	March	9244	4221	13465
4	April	8483	4061	12544
5	May	8853	3940	12793
6	June	9556	4500	14056
7	July	10675	4401	15076
8	August	9518	3892	13410
9	September	9986	4254	14240
10	October	8723	3897	12620
11	November	8726	3871	12597
12	December	9085	3974	13059
State		111747	49656	161403

Table 25

Death by Age and Sex in Kerala - 1993

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	759	645	1404	2321	1832	4153	3080	2477	5557
2	1 to 4 year	415	345	760	447	339	786	862	684	1546
3	5 to 14 year	516	480	996	411	394	805	927	874	1801
4	15 to 24 year	1383	1031	2414	845	693	1538	2228	1724	3952
5	25 to 34 year	2340	1354	3694	1484	913	2397	3824	2267	6091
6	35 to 44 year	3624	1677	5301	2215	978	3193	8839	2655	8494
7	45 to 54 year	6490	2832	9322	3652	1575	5227	10142	4407	14549
8	55 to 64 year	10340	5894	16234	5047	2691	7738	15387	8585	23972
9	65 and above	36944	34579	71523	13031	10625	23656	49975	45204	95179
10	Not reported	49	50	99	77	66	163	126	136	262
	Total	62860	48887	111747	29530	20126	49656	92390	69013	161403

Table 26
Death by Religion In Kerala(District wise) 1993

District	Rural/Urban	Hindus	Muslim	Christians	Others	Total
1	2	3	4	5	6	7
Thiruvananthapuram	Rural	6078	560	1726	5	8369
	urban	6559	1042	1113	3	8717
	Total	12637	1602	2839	8	17086
Kollam	Rural	6683	954	1468	1	9106
	urban	1692	342	434	2	2470
	Total	8375	1296	1902	3	11576
Pathanamthitta	Rural	3266	92	2730	2	6090
	urban	773	352	694		1819
	Total	4039	444	3424	2	7809
Alappuzha	Rural	6123	423	1612	1	8159
	urban	2560	602	760	5	3927
	Total	8683	1025	2732	6	12086
Kottayam	Rural	5160	335	4455	2	9952
	urban	824	58	553	1	1436
	Total	5984	393	5008	3	11388
Idukki	Rural	2182	145	1548	2	3877
	urban	183	52	177		412
	Total	2365	197	1725	2	4289
Ernakulam	Rural	4270	522	3441	6	8239
	urban	4025	1040	3120	11	8196
	Total	8295	719	6561	17	16435
Thrissur	Rural	9138	1578	3059	2	13777
	urban	2677	528	1097	2	4304
	Total	11815	2106	4156	4	18081
Palakkad	Rural	9369	1715	399	3	11486
	urban	2343	393	77	1	2343
	Total	11712	2108	476	4	13829
Malappuram	Rural	3989	5310	264	2	9565
	urban	1068	1566	40	1	2675
	Total	5057	6876	304	3	12240
Kozhikode	Rural	5200	2223	304		7727
	urban	5392	2671	304	2	8369
	Total	10592	4894	608	2	16096
Waynad	Rural	1898	693	725	1	3317
	urban	139	88	45	2	274
	Total	2037	781	770	3	3591
Kannur	Rural	5882	1591	908		8381
	urban	2305	745	168	1	3219
	Total	8187	2336	1076	1	11600
Kasargode	Rural	2642	894	166		3702
	urban	701	288	35		1024
	Total	3343	1182	201		4726
State	Rural	71880	17035	22805	27	111747
	urban	31241	9767	8617	31	49656
	Total	103121	26802	31422	58	161403

Table 27

Distribution of Death due to some Specified Diseases - 1993

Sl. No.	Cause of Death	Code	Rural			Urban			Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1		3	4	5	6	7	8	9	10	11	12
1	Cholera	001	3	1	4	4	1	5	7	2	9
2	Typhoid & Paratyphoid	002	48	43	91	9	6	15	57	49	106
3	Food Poisoning	003-005	170	102	272	74	23	97	244	125	369
* 4	Dysentery & Diarrhoea, Gastroenteritis	004-006 009	271	377	648	76	78	154	347	455	802
5	Tuberculosis	010-018	1717	554	2271	512	251	763	2229	805	3034
6	Leprosy	030	34	17	51	8	1	9	42	18	60
7	Diphtheria	032	3	2	5	2	2	4	5	4	9
8	Whooping Cough	033	124	104	228	11	17	28	135	121	256
9	Tetanus	037	31	26	57	14	13	27	45	39	84
10	Poliomylitis	045	15	13	28	6	4	10	21	17	38
11	Measles	055	4	6	10	2	3	5	6	9	15
12	Rabies	071	22	12	34	7	2	9	29	14	43
13	Malaria	084	11	5	16				11	5	16
14	Cancer	140-199 200-229 230-239	5003	3219	8222	994	655	1649	5997	3874	9871
15	Diabetes, Malitus	250	1021	778	1799	311	269	580	1332	1047	2379
16	Anaemias	280-285	137	165	302	66	67	133	203	232	435
17	Meningitis										

Table 27 (Contd...)

Distribution of Death due to some Specified Diseases - 1993

Sl. No.	Cause of Death	Code	Rural			Urban			Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10	11	12
18	Heart Diseases, Heart Attack	410-444	15685	9385	25070	11160	6324	17484	26845	15709	42554
19	Pneumonia	480-486	126	98	224	198	157	355	324	255	579
20	Influenza	487	3646	4228	7874	320	349	669	3966	4577	8543
21	Bronchitis & Astma (Respiratory Diseases)	490-493	7290	5696	12986	2125	1470	3595	9415	7166	16581
22	Jaundice	782-784	229	185	414	58	65	123	287	250	537
23	Chronic Liver Diseases, Cirrhosis	571	1137	899	2036	355	149	504	1492	1048	2540
24	Ulcer of Stomach & Duodenum (Stomach Complaint)	531-533	750	473	1223	96	80	176	846	553	1399
25	Appendicitis	540-543									
26	Syphilis and Other Diseases of Genitourinary System	580-629									
27	Abortions	630-639									
28	Complications related to Pregnancy, Childbirth	640-648 651-676		7	7		2	2		9	9
29	Certain conditions such as birth injuries, slow growth of fetus and prematurity originating in perinatal period	760-779	320	175	495	783	751	1534	1103	926	2029

Table 27 (Contd...)

Distribution of Death due to some Specified Diseases - 1993

Sl. No.	Cause of Death	Code	Rural			Urban			Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10	11	12
30	Cerebrovascular (Paralysis)	430-438	3399	4760	8159	1835	1839	3674	5234	6599	11833
31	Senility	797	6143	5291	11434	2341	2842	5183	8484	8133	16617
32	Others not elsewhere classified		11009	10432	21441	6457	3952	10409	17466	14384	31850
External Causes											
33	Bites or stings of Venomous Animals		84	47	131	40	26	66	124	73	197
34	Accidental Burns	E890-99	38	54	92	66	112	178	104	166	270
35	Falls, Drowning	E880-88	540	420	960	105	58	163	645	478	1123
36	Accidental Poisoning	E910									
37	Transport(traffic) Accidents (Involving Railway, Boards Aircraft, Motor Vehicles, Other Vehicles, Animals being ridden or Drawing Vehicles)	E910	1189	314	1503	763	281	1044	1952	595	2547
38	Other Accidents not elsewhere classified	E910									
39	Suicide		2559	957	3516	709	272	980	3267	1229	4496
40	Homicide		102	42	144	24	5	29	126	47	173
Total			62860	48887	117747	29530	20126	49656	92390	69013	161403

Table 28

Infant Death by Sex in Kerala (District wise) - 1993

District	Rural/Urban	Male	Female	Total
1	2	3	4	5
Thiruvananthapuram	Rural	21	16	37
	urban	379	251	630
	Total	400	267	667
Kollam	Rural	56	45	101
	urban	127	86	213
	Total	183	131	314
Pathanamthitta	Rural	16	15	31
	urban	61	50	111
	Total	77	65	142
Alappuzha	Rural	21	18	39
	urban	136	128	264
	Total	157	146	303
Kottayam	Rural	130	90	220
	urban	28	24	52
	Total	158	114	272
Idukkui	Rural	58	39	97
	urban	28	10	38
	Total	86	49	135
Ernakulam	Rural	58	39	97
	urban	291	198	489
	Total	349	237	586
Thrissur	Rural	102	75	177
	urban	265	224	489
	Total	367	299	666
Palakkad	Rural	83	60	143
	urban	128	112	240
	Total	211	172	383
Malappuram	Rural	81	98	179
	urban	161	109	270
	Total	242	207	449
Kozhikode	Rural	23	26	49
	urban	538	467	1005
	Total	561	493	1054
Waynad	Rural	56	54	110
	urban	19	8	27
	Total	75	62	137
Kannur	Rural	28	32	60
	urban	90	110	200
	Total	118	142	260
Kasargode	Rural	26	38	64
	urban	70	55	125
	Total	96	93	189
State	Rural	759	645	1404
	urban	2321	1832	4153
	Total	3080	2477	5557

Table 29

Infant Deaths by Age & Sex in Kerala - 1993

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	538	435	973	1711	1364	3075	2249	1799	4048
2	One Week to one Month	84	80	164	276	221	497	360	301	661
3	One Month to below 3 months	42	31	73	147	104	251	189	135	324
4	Three Months to below 6 months	41	39	80	75	67	142	116	106	222
5	Six Months to below 12 months	54	60	114	112	76	188	166	136	302
6	Total	759	645	1404	2321	1832	4153	3080	2477	5557

Table 30

Maternal Deaths in Kerala by Age at Death - 1993

Sl.No	Age at Death	Rural	Urban		
			Town 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				
3	20 - 24	1	1		2
4	25 - 29	1		1	2
5	30 - 34	2			2
6	35 - 39	3			3
7	40 - 44				
8	45 and Above				
9	Not Reported				
	Total	7	1	1	9



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