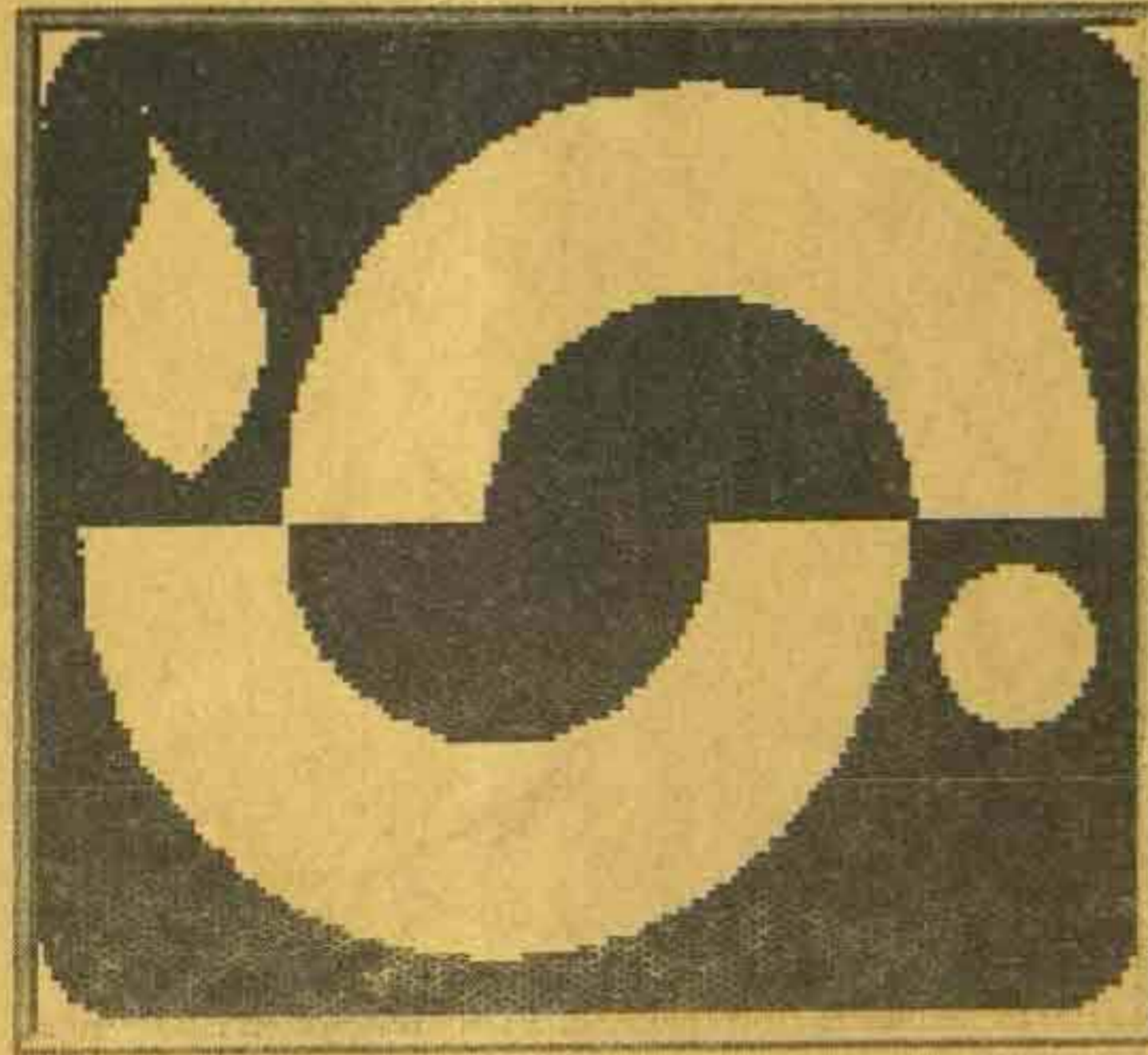


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Vital Statistics Bulletin

2003

Department of Economics & Statistics
Thiruvananthapuram
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Vital Statistics Bulletin

2003

Department of Economics & Statistics
Thiruvananthapuram
December 2005

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राजा

PREFACE

The Bulletin presents the Vital Statistics of Kerala for the calendar year 2003. The data relating to vital events received from the registering authorities are presented and vital rates estimated.

This report is prepared on the basis of data collected under the revamped system implemented in the State as a part of all India pattern. This is the fourth report based on this system.

The bulletin is prepared by Smt. S Leelamony, Deputy Director with the help of Sri Roy Thomas, Assistant Director and Smt. V K Santhamma, Research Assistant in the Vital Statistics Division of the Directorate under the guidance of Sri. Gangadhara Murugan , Additional Chief Registrar of Births & Deaths and Additional Director. Processing of the data was carried out in the Computer Division of the Directorate.

I would like to place on record the co-operation and valuable services rendered by Local Registrars, District Registrars, Deputy Directors and staff in the District Statistics Offices to make this venture a success.

I hope that this report is of great help to Planners & Administrators and those engaged in the field of Health and Demography.

Suggestions for the improvement of the publication are always welcome.

Thiruvananthapuram,

08/12/2005

M.R. BALAKRISHNAN

DIRECTOR

PREFACE

The following report was prepared for the Bureau of the Census in 1961. The data were obtained from the records of the Bureau of the Census and are presented in this report.

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Prepared for the Bureau of the Census by the Bureau of the Census

MR. B. L. ARSHAW
DIRECTOR

Prepared for the Bureau of the Census by the Bureau of the Census

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VITAL STATISTICS BULLETIN – 2003

Introduction

Demographic data generated by a complete and efficient Civil Registration System is of immense use for Successful planning in the area of population control and public health administration. The objectives of civil Registration System are two fold. Registration of birth/death is the first step providing unique identity to a person. Registration is a public service provided by the Government through which the public can obtain birth/death certificate having multifarious user to them in the form of evidence of age, domicile, inheritance etc. Data consolidated from the civil registration system play a vital role in decentralized planning. They are the basic tools, at local level, used by demographers and planners for monitoring population growth and efficiency of health care measures.

The registration of births and deaths is a statutory activity performed under the provisions of Registration of Birth and Death Act 1969 came into force in Kerala on 1st April 1970. Director of Panchayaths is the Chief Registrar of Birth and Deaths in Kerala and is the Chief executive authority for implementing the provisions of the Registration of Birth and Death Act. Chief Registrar will be assisted by a Deputy Chief Registrar. The Additional Director of Economics and Statistics is designated as the Additional Chief Registrar of Births and Deaths. A Deputy Chief Registrar, Deputy Director of Economics and Statistics, assists him. At the District level, the District Panchayaths Officer, secretaries of municipalities and corporations are empowered as the District Registrar of Births and Deaths.

The Secretaries of Grama Panchayaths, health inspectors and health officers of Municipalities and Corporations and the executive officer of Kannur Cantonment are the local Registrar of the concerned registration units.

This bulletin presents the results of the analysis of vital statistics for the year 2003.

Conceptual and Empirical Frame Work

According to Registration of Birth and Death Act, births and deaths are to be registered within 21 days after the occurrence of the events at the place of occurrence. The details such as date of event, date of registration, sex and the details of father and mother such as their age, religion, literacy, occupation, order of birth etc of each event are recorded in the registers at the time of registration. These details are carried over to the prescribed birth, death and still birth cards and are forwarded to the Deputy Directors of the Districts Offices of Economics and Statistics Department. After data entry, the CDs are forwarded to Directorate. These are processed and analysed.

Limitations of the data

Registration of vital events is not complete due to under registration. Lack of awareness about the need and importance of registration of births and deaths and lack of registration procedure knowledge among the public may be the reasons for the low levels of registration particularly of infant deaths. This may adversely affect the quality of the statistical data. Efforts are being taken to create mass awareness about the importance and necessity of registration. More over it is seen that the vital events in urban area are higher than that in rural area. Shifting of the residents in rural area to urban area for availing the modern medical facilities at the time of occurrence of events may be the reason for the above.

Vital rates

Birth rate- Birth rate is defined as the number of births per thousand (mid year population)

Death rate- Death rate is the number of deaths per thousand (mid year population)

Infant death rate- Infant death rate is the number of infant death (age below one year) per thousand live births of the concerned year

Maternal death rate –Maternal death rate is defined as the number of maternal deaths per thousand live births and still births of the year.

Still birth rate—Still birth rate is the number of still births per thousand live births and still births of the year.

Birth and Birth rate

During the year under report ,5.58 lakhs of registered live births comprising of 2.18lakhs rural births and 3.40 lakhs urban births were analysed . Out of which 51.27% were male births and 48.73% were female births . The number of registered live births decreased from 5.82 lakhs in 2002 to 5.58 lakhs in 2003 showing a marginal decrease of 4.12%.

The birth rate of the state during 2003 was 17.16 as against 18.05 in the previous year. The district-wise birth and death rates are presented in Table I. The highest birth rate 22.13 was recorded in Malapuram District, which shows a decreasing trend when compared with those of the previous years. The lowest rate of 13.16 was recorded in Alleppey District. Birth rates recorded in Thrissur, Malappuram, Kozhikkode, Wayanad, Kannur, and Kasaragod districts were greater than that of the state average.

Death and Death rate

During the year 2003 1.94 lakhs death cards were received from the registering units and were analysed. The death rate of the state was calculated as 5.97. An analysis of the district-wise figures reveals that Pathanamthitta District stands first with a death rate of 7.67 and Malappuram has the lowest of 4.20. Death rates recorded in Kollam, Malappuram, Wayanad, Kannur and Kasaragod were below the state average.

Infant Death Rate

Infant death reported during 2003 was 2459 as against 3223 in the previous year. Infant death rate of the state during the relevant year was 4.40 with a rural-urban break up of 1.05 and 6.56 respectively. The highest rate 11.97 was recorded in Thiruvananthapuram district and lowest 1.37 in Kottayam District.

Maternal Death Rate

During the reporting year, 133 maternal deaths were reported, of which 54 were from rural areas and 79 from urban areas. The rates estimated were 0.25 and 0.23 respectively for rural and urban areas and 0.24 for the state as a whole. No maternal deaths were reported from the rural areas of Pathanamthitta, Thrissur, Palaghat and from the urban areas of Kottayam and Wayanad Districts.

Still birth

Still births registered during 2003 were 2253 in which 453 were from rural and 1800 from urban areas. The estimated still birth rate of the state for the year under report was 4.02 as against 4.90 of the previous year. District-wise break up reveals that the highest rate 0.57 was recorded in Kottayam District and the lowest 0.09 in Kasaargod District.

Conclusion

During the year under report Malappuram District has the highest birth rate as well as the lowest death rate. On an analysis, it is seen that the estimated vital rates, such as Birth rate, Still birth rate and Infant death rate show a marginal decrease where as Death rate and Maternal death rate show a marginal increase when compared to those of the previous year, 2002. As in previous years, the vital rates estimated for urban areas are higher than that for rural areas. The registration is defacto and tendency of utilising the modern medical facilities available in the urban areas by the rural residents at the time of occurrence of events may be the reasons for the urban bias.

Vital rates at a Glance

Year	Birth Rate	Death Rate	Infant death rate	Still Birth rate	Maternal Death rate
1991	19.08	5.37	11.32	6.08	0.09
1992	17.67	5.49	9.84	5.29	0.03
1993	17.67	5.38	10.48	5.05	0.02
1994	17.52	5.38	10.41	5.14	0.06
1995	18.09	5.28	10.15	5.72	0.07
1996	18.76	5.51	9.53	5.14	0.11
1997	19.19	5.25	9.07	5.18	0.13
1998	18.43	5.79	9.00	4.65	0.12
1999	18.32	5.73	8.27	5.25	0.00
2000	18.01	5.42	7.10	6.43	0.02
2001	18.13	5.70	5.43	4.65	0.01
2002	18.05	5.73	5.54	4.90	0.13
2003	17.16	5.97	4.02	4.40	0.24

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

District	Rural/ Urban	Estimated mid year population (000)	Live Births				Deaths		
			Number	Rate		Number	Rate		
				2003	2002		2003	2002	
1	2	3	4	5	6	7	8	9	
Thiruvananthapuram	Rural	2343	9520	4.06	4.06	8367	3.57	4.07	
	Urban	968	42631	44.04	52.57	12875	13.30	10.64	
	Total	3311	52151	15.75	18.25	21242	6.42	5.99	
Kollam	Rural	2177	21187	9.73	11.24	11614	5.33	5.00	
	Urban	454	19347	42.61	44.66	3433	7.56	8.01	
	Total	2631	40534	15.41	17.01	15047	5.72	5.52	
Pathanamthitta	Rural	1122	9710	8.65	8.80	7453	6.64	6.00	
	Urban	125	9196	73.57	81.6	2110	16.88	15.34	
	Total	1247	18906	15.16	16.12	9563	7.67	6.94	
Alappuzha	Rural	1791	3174	1.77	1.56	9342	5.22	4.80	
	Urban	346	24951	72.11	76.44	4004	11.57	13.55	
	Total	2137	28125	13.16	13.72	13346	6.25	6.22	
Kottayam	Rural	1823	21817	11.97	14.03	11155	6.12	6.52	
	Urban	161	9511	59.07	60.58	1647	10.23	9.67	
	Total	1984	31328	15.79	17.78	12802	6.45	6.78	
Idukki	Rural	1100	12907	11.73	10.44	4968	4.52	3.68	
	Urban	48	5417	112.85	131.17	627	13.06	12.66	
	Total	1148	18324	15.96	15.42	5595	4.87	4.05	
Eranakulam	Rural	2258	8720	3.86	3.91	10268	4.55	4.54	
	Urban	914	41773	45.70	53.43	10568	11.56	10.21	
	Total	3172	50493	15.92	18.21	20836	6.57	6.17	
Thrissur	Rural	2486	16201	6.52	6.57	14948	6.01	5.56	
	Urban	549	37672	68.62	59.11	7562	13.77	13.01	
	Total	3035	53873	17.75	16.08	22510	7.42	6.91	
Palakkad	Rural	2417	20281	8.39	6.92	11898	4.92	4.48	
	Urban	258	22723	88.07	92.23	3215	12.46	11.86	
	Total	2675	43004	16.08	15.16	15113	5.65	5.19	
Malappuram	Rural	3416	46596	13.64	14.70	12077	3.54	3.21	
	Urban	340	36527	107.43	111.34	3705	10.90	10.49	
	Total	3756	83123	22.13	23.45	15782	4.20	3.87	
Kozhikode	Rural	2353	16430	6.98	6.70	7914	3.36	3.77	
	Urban	588	41285	70.21	80.79	10225	17.39	17.09	
	Total	2941	57715	19.62	21.58	18139	6.17	6.45	
Wayanad	Rural	776	12388	15.96	15.54	3454	4.45	4.25	
	Urban	31	2691	86.81	91.5	290	9.35	8.3	
	Total	807	15079	18.69	18.41	3744	4.64	4.40	
Kannur	Rural	2068	10214	4.94	5.89	9695	4.69	4.79	
	Urban	386	34256	88.75	91.55	4405	11.41	11.54	
	Total	2454	44470	18.12	19.37	14100	5.75	5.85	
Kasaragod	Rural	1114	9052	8.13	9.00	5232	4.70	4.24	
	Urban	121	12192	100.76	71.25	1213	10.02	9.08	
	Total	1235	21244	17.20	15.11	6445	5.22	4.72	
State	Rural	27244	218197	8.01	8.28	128385	4.71	4.57	
	Urban	5289	340172	64.32	68.25	65879	12.46	11.67	
	Total	32533	558369	17.16	18.05	194264	5.97	5.72	

Table 1 (Contd.)

**TOTAL NUMBER OF LIVE BIRTHS, DEATHS, STILL BIRTHS, INFANT DEATHS,
MATERNAL DEATHS AND THEIR RATES**

District	Rural/ Urban	Still Births			Infant Deaths			Maternal Deaths		
		No 2003	Rates		No 2003	Rates		No 2003	Rates	
			2003	2002		2003	2002		2003	2002
1	2	10	11	12	13	14	15	16	17	18
Thiruvananthapuram	Rural	10	1.05	2.44	10	1.05	3.62	5	0.52	0.11
	Urban	147	3.44	0.24	614	14.40	8.13	19	0.44	0
	Total	157	3.00	0.58	624	11.97	7.41	24	0.46	0.02
Kollam	Rural	31	1.46	2.17	9	0.42	1.24	8	0.38	0.08
	Urban	53	2.73	3.56	77	3.98	3.77	15	0.77	0
	Total	84	2.07	2.80	86	2.12	2.39	23	0.57	0.05
Pathanamthitta	Rural	2	0.21	1.62	7	0.72	1.01		0.00	0.20
	Urban	78	8.41	3.80	71	7.72	2.45	1	0.11	0.10
	Total	80	4.21	2.73	78	4.13	1.74	1	0.05	0.15
Alappuzha	Rural	8	2.51	6.76	10	3.15	2.86	1	0.31	2.13
	Urban	78	3.12	4.83	38	1.52	5.57	3	0.12	0.07
	Total	86	3.05	5.01	48	1.71	5.31	4	0.14	0.27
Kottayam	Rural	8	0.37	5.60	17	0.78	1.53	9	0.41	0.16
	Urban	17	1.78	2.28	26	2.73	1.14		0.00	0.21
	Total	25	0.80	4.69	43	1.37	1.43	9	0.29	0.17
Idukki	Rural	16	1.24	2.27	20	1.55	4.02	6	0.46	0
	Urban	12	2.21	3.07	14	2.58	1.95	2	0.37	0.16
	Total	28	1.53	2.55	34	1.86	3.30	8	0.44	0.05
Ernakulam	Rural	21	2.40	4.32	8	0.92	8.57	2	0.23	1.82
	Urban	165	3.93	3.14	258	6.18	6.58	3	0.07	0.04
	Total	186	3.67	3.32	266	5.27	6.89	5	0.10	0.31
Thrissur	Rural	22	1.36	0.68	15	0.93	6.73		0.00	0.37
	Urban	288	7.59	8.06	184	4.88	14.47	3	0.08	0
	Total	310	5.72	5.60	199	3.69	11.88	3	0.06	0.12
Palakkad	Rural	45	2.21	1.80	12	0.59	0.30		0.00	0.12
	Urban	88	3.86	4.26	64	2.82	3.09	5	0.22	0.04
	Total	133	3.08	3.25	76	1.77	1.94	5	0.12	0.07
Malappuram	Rural	59	1.26	3.56	18	0.39	0.80	11	0.24	0.08
	Urban	140	3.82	7.66	184	5.04	4.02	12	0.33	0.05
	Total	199	2.39	5.32	202	2.43	2.19	23	0.28	0.06
Kozhikode	Rural	61	3.70	2.74	43	2.62	2.75	7	0.42	0.06
	Urban	493	11.80	12.89	537	13.01	15.52	10	0.24	0.12
	Total	554	9.51	10.39	580	10.05	12.35	17	0.29	0.11
Wayanad	Rural	94	7.53	7.59	16	1.29	5.21	3	0.24	0
	Urban	6	2.22	0	9	3.34	5.10		0.00	0.36
	Total	100	6.59	6.18	25	1.66	5.19	3	0.20	0.06
Kannur	Rural	69	6.71	7.46	29	2.84	7.35	1	0.10	0.32
	Urban	162	4.71	5.87	105	3.07	4.53	5	0.15	0.02
	Total	231	5.17	6.28	134	3.01	5.26	6	0.13	0.10
Kasaragod	Rural	7	0.77	5.61	15	1.66	2.21	1	0.11	0.70
	Urban	73	5.95	14.52	49	4.02	1.75	1	0.08	0.23
	Total	80	3.75	9.75	64	3.01	2.00	2	0.09	0.48
State	Rural	453	2.07	3.64	229	1.05	2.73	54	0.25	0.24
	Urban	1800	5.26	5.68	2230	6.56	7.29	79	0.23	0.05
	Total	2253	4.02	4.89	2459	4.40	5.54	133	0.24	0.13

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

(Population in Thousands)

SI No	Districts	Population of Towns as per census 2001					Population of Muni./corp.	
		Total	Rural		Urban		Male	Female
			Male	Female	Male	Female		
1	2	3	4	5	6	7	8	9
1	Thiruvananthapuram	3234356	1035265	1107430	534652	557009	463480	483529
2	Kollam	2585208	1021415	1097815	228206	237772	218959	228488
3	Pathanamthitta	1234016	529823	580395	59575	64223	59575	64223
4	Alappuzha	2109160	712867	774836	301662	319795	166485	178070
5	Kottayam	1953646	817819	836019	147107	152701	77000	80976
6	Idukki	1129221	538064	533564	28618	28975	22851	23395
7	Eranakulam	3105798	808609	820104	729788	747297	444802	454317
8	Thrissur	2974232	1018315	1116484	403737	435696	259558	279676
	Palakkad	2617482	1093515	1167392	173470	183105	123109	130815
10	Malappuram	3625471	1581794	1687507	172782	183388	159116	168843
11	Kozhikode	2879131	863632	914342	535726	565431	281350	300035
12	Wayanad	780619	376424	374583	14849	14763	14849	14763
13	Kannur	2408956	578544	617514	574273	638625	181169	196800
14	Kasaragod	1204078	475196	495182	112887	120813	57284	60853
	State	31841374	11451282	12123167	4017332	4249593	2529587	2664783

Table 3

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

Sl No	Corporations/ Municipalities	Births				Deaths				Infant deaths
		Total	Male	Female	Sex Not reported	Total	Male	Female	Sex Not reported	
1	2	3	4	5	6	7	8	9	10	11
1	Attingal (M)	1222	615	578	29	176	91	85	0	2
2	Nedumangad (M)	885	400	479	6	267	146	121	0	1
3	Neyyattinkara (M)	1124	579	533	12	427	240	186	1	4
4	Varkala (M)	736	369	365	2	390	207	181	2	3
5	Thiruvananthapuram(C)	38664	18628	17773	2263	11615	5736	3248	2631	604
6	Paravoor (M)	4	3	1	0	150	75	75	0	1
7	Punalur (M)	3611	1900	1642	69	474	260	214	0	13
8	Kollam (C)	15732	7848	7632	252	2809	1706	1094	9	63
9	Pathanamthitta (M)	2164	1105	1045	14	479	314	165	0	4
10	Thiruvalla (M)	4561	2291	2131	139	1237	787	450	0	63
11	Alappuzha (M)	12339	6180	6016	143	1906	1135	722	49	12
12	Cherthala (M)	3199	1627	1478	94	739	402	337	0	9
13	Kayankulam(M)	5043	2521	2445	77	483	304	179	0	6
14	Changanassery (M)	2070	1038	1018	14	313	192	112	9	4
15	Kottayam (M)	3367	1690	1647	30	588	347	231	10	11
16	Thodupuzha (M)	5417	2752	2610	55	627	409	217	1	14
17	Angamaly (M)	2239	1129	1079	31	594	361	228	5	7
18	Kalamassery (M)	3	1	2	0	195	105	90	0	5
19	Kothamangalam (M)	3909	1959	1936	14	515	317	197	1	15
20	North Parur (M)	3634	1802	1763	69	542	328	214	0	1
21	Thrippunithura (M)	2422	1258	1136	28	496	306	187	3	3
22	Kochi (C)	19542	9854	9585	103	7023	4172	2838	13	218
23	Chalakkudy (M)	3530	1742	1656	132	523	263	260	0	
24	Chavakkad (M)	925	473	429	23	255	129	126	0	6
25	Kodungallur (M)	4967	2499	2400	68	448	226	222	0	2

Table 3 Contd...

Sl No	Corporations/ Municipalities	Births				Deaths				Infant deaths
		Total	Male	Female	Sex Not reported	Total	Male	Female	Sex Not reported	
1	2	3	4	5	6	7	8	9	10	11
26	Kunnamkulam (M)	4033	1987	1956	90	586	285	301	0	2
27	Thrissur (C)	22084	11378	10703	3	5329	2784	2545	0	163
28	Chittoor-Thathamangal	288	132	153	3	240	132	108	0	
29	Ottappalam (M)	7578	3865	3664	49	509	278	231	0	50
30	Palakkad (M)	13802	7194	6459	149	2187	1303	884	0	13
31	Shornur (M)	1055	544	509	2	279	158	121	0	1
32	Malappuram (M)	7327	3766	3539	22	512	308	204	0	38
33	Manjeri (M)	9610	4892	4657	61	917	550	367	0	9
34	Perinthalmanna (M)	9552	4817	4637	98	1353	850	503	0	103
35	Ponnani(M)	1808	947	831	30	366	222	144	0	11
36	Tirur (M)	8230	4177	3956	97	557	334	223	0	23
37	Quilandy (M)	506	254	245	7	367	211	156	0	1
38	Vadakara (M)	1615	809	805	1	729	426	303	0	6
39	Kozhikkode (C)	39164	19475	19226	463	9129	5682	3444	3	530
40	Kalpatta(M)	2691	1397	1263	31	290	172	118	0	9
41	Kannur (M)	5999	3145	2816	38	725	426	299	0	55
42	Mattannur (M)	2737	1366	1339	32	238	148	90	0	2
43	Payyannur(M)	5119	2579	2487	53	529	291	238	0	6
44	Thalassery(M)	10972	5697	5195	80	1890	1120	770	0	11
45	Thaliparambu(M)	5480	2747	2684	49	507	296	210	1	9
46	Kanjhagad (M)	4348	2238	2079	31	611	353	251	7	20
47	Kasargod (M)	7844	3952	3816	76	602	349	236	17	29
	Total	313151	157621	150398	5132	61723	35236	23725	2762	2162

Table 4

Total number of Births, Deaths, and Infant Deaths in Corporations and Municipalities having a Population of 30000 and above - District wise - 2003

SI No	Districts	Births	Deaths	Infant Death
1	2	3	4	5
1	Thiruvananthapuram	42631	12875	614
2	Kollam	19347	3433	77
3	Pathanamthitta	6725	1716	67
4	Alappuzha	20581	3128	27
5	Kottayam	5437	901	15
6	Iddukki	5417	627	14
7	Eranakulam	31749	9365	249
8	Thrissur	35539	7141	173
9	Palakkad	22723	3215	64
10	Malappuram	36527	3705	184
11	Kozhikode	41285	10225	537
12	Wayanadu	2691	290	9
13	Kannur	30307	3889	83
14	Kasaragod	12192	1213	49
	State	313151	61723	2162

Table 5

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

Sl. No	Corporations / Municipalities	Estimated mid year population	Live birth		Death		Infant death	
			No.	Rate	No.	Rate	No.	Rate
1	2	3	4	5	6	9	10	11
1	Attingal (M)	36447	1222	33.53	176	4.83	2	1.64
2	Nedumangad (M)	57710	885	15.34	267	4.63	1	1.13
3	Neyyattinkara (M)	71041	1124	15.82	427	6.01	4	3.56
4	Varkala (M)	41145	736	17.89	390	9.48	3	4.08
5	Thiruvananthapuram(C)	761852	38664	50.75	11615	15.25	604	15.62
6	Paravoor (M)	39003	4	0.1	150	3.85	1	2.50
7	Punalur (M)	47461	3611	76.08	474	9.99	13	3.6
8	Kollam (C)	367684	15732	42.79	2809	7.64	63	4
9	Adoor (M)	29520	2471	83.71	394	13.35	4	1.62
10	Pathanamthitta (M)	38523	2164	56.17	479	12.43	4	1.85
11	Thiruvalla (M)	57328	4561	79.56	1237	21.58	63	13.81
12	Alappuzha (M)	177584	12339	69.48	1906	10.73	12	0.97
13	Chengannur (M)	25683	1101	42.87	275	10.71	4	3.63
14	Cherthala (M)	45531	3199	70.26	739	16.23	9	2.81
15	Kayamkulam (M)	68923	5043	73.17	483	7.01	6	1.19
16	Mavelikkara (M)	28472	3269	114.81	601	21.11	7	2.14
17	Changanassery (M)	52847	2070	39.17	313	5.92	4	1.93
18	Kottayam (M)	61752	3367	54.52	588	9.52	11	3.27

Table 5 (Contd.)

Sl. No	Corporations / Municipalities	Estimated mid year population	Live birth		Death		Infant death	
			No.	Rate	No.	Rate	No.	Rate
1	2	3	4	5	6	7	8	9
19	Pala (M)	23023	2637	114.54	368	15.98	9	3.41
20	Vaikom (M)	23024	1437	62.41	378	16.42	2	1.39
21	Thodupuzha (M)	47657	5417	113.67	627	13.16	14	2.58
22	Aluva(M)	24655	3922	159.08	507	20.56	2	0.51
23	Angamaly (M)	34155	2239	65.55	594	17.39	7	3.13
24	Kalamassery (M)	65361	3	0.05	195	2.98	5	
25	Kothamangalam (M)	37566	3909	104.06	515	13.71	15	3.84
26	Moovattupuzha (M)	29644	3424	115.5	380	12.82		
27	North Parur (M)	30584	3634	118.82	542	17.72	1	0.28
28	Perumbavoor (M)	27005	2678	99.17	316	11.7	7	2.61
29	Thrippunithura (M)	62147	2422	38.97	496	7.98	3	1.24
30	Kochi (C)	603050	19542	32.41	7023	11.65	218	11.16
31	Chalakkudy (M)	49188	3530	71.77	523	10.63		
32	Chavakkad (M)	38220	925	24.2	255	6.67	6	6.49
33	Guruvayoor (M)	21419	379	17.69	142	6.63	7	18.47
34	Iringalakuda (M)	29206	1754	60.06	279	9.55	4	2.28
35	Kodungallur (M)	34097	4967	145.67	448	13.14	2	0.4
36	Kunnamkulam (M)	52613	4033	76.85	586	11.14	2	0.5
37	Thrissur (C)	323809	22084	68.2	5329	16.46	163	7.38
38	Chittoor-Thathamangal	32607	288	8.83	240	7.36		
39	Ottappalam M)	50504	7578	150.05	509	10.08	50	6.6
40	Palakkad (M)	132577	13802	104.11	2187	16.5	13	0.94
41	Shornur (M)	42629	1055	24.75	279	6.54	1	0.95
42	Malappuram (M)	60760	7327	120.59	512	8.43	38	5.19
43	Manjeri (M)	87470	9610	109.87	917	10.48	9	0.94
44	Perinthalmanna (M)	46027	9552	207.53	1353	29.4	103	10.78
45	Ponnani (M)	90737	1808	19.93	366	4.03	11	6.08
46	Tirur (M)	54685	8230	150.5	557	10.19	23	2.79
47	Quilandy (M)	70543	506	7.17	367	5.2	1	1.98
48	Vadakara (M)	76666	1615	21.07	729	9.51	6	3.72
49	Kozhikkode (C)	440557	39164	88.9	9129	20.72	530	13.53
50	Kalpetta (M)	30624	2691	87.87	290	9.47	9	3.34
51	Kannur (M)	64877	5999	92.47	725	11.17	55	9.17
52	Kuthuparambu(M)	29679	1746	58.83	211	7.11	3	1.72
53	Mattannur (M)	45252	2737	60.48	238	5.26	2	0.73
54	Payyannur(M)	69881	5119	73.25	529	7.57	6	1.17
55	Thalassery(M)	102207	10972	107.35	1890	18.49	11	1
56	Thaliparambu(M)	69329	5480	79.04	507	7.31	9	1.64
57	Kannur (CB)	4831	2203	456.01	305	63.13	19	6.62
58	Kanjhagad (M)	67617	4348	64.3	611	9.04	20	4.6
59	Kasargod (M)	53237	7844	147.34	602	11.31	29	8.62
	Total	5288225	340172	64.33	65879	12.46	2230	6.56

TABLE 6
LIVE BIRTH BY TYPE OF ATTENTION AT DELIVERY 2003 - RURAL AND URBAN

Sl No	Districts	Total	Rural					Others
			Institu-tional Govt 4	Institu-tional Private 5	Physi-cian, Nurse & Trained midwife 6	Un-quali-fied mid wife 7	8	
1	2	3	4	5	6	7	8	
1	Thiruvananthapuram	52151	5627	3010	566	351	76	
2	Kollam	40534	7047	11618	468	929	1125	
3	Pathanamthitta	18906	4371	3818	193	608	720	
4	Alappuzha	28125	1585	1219	43	199	128	
5	Kottayam	31328	7820	11112	666	889	1330	
6	Iddukki	18324	4569	4541	2637	565	595	
7	Eranakulam	50493	1979	5657	512	214	358	
8	Thrissur	63873	3205	10213	794	820	1169	
9	Palakkad	43004	7757	9885	893	920	826	
10	Malappuram	83123	22945	15759	1385	3318	3189	
11	Kozhikode	57715	9176	6220	368	199	467	
12	Wayanadu	15079	7607	3825	378	202	376	
13	Kannur	44470	2495	5740	1603	144	232	
14	Kasaragod	21244	2284	2479	2486	723	1081	
	State	558369	88367	95096	12981	10081	11672	

TABLE 6 Contd...

Sl No	Districts	Urban Towns with Population						Above 30000			
		Below 30000			Urban Towns with Population			Above 30000			
		Institu- tional Govt	Institu- tional Private	Physi- cian, Nurse & Trained midwife	Un- quali- fied mid wife	Others	Institu- tional Govt	Institu- tional Private	Physi- cian, Nurse & Trained midwife	Un- quali- fied mid wife	Others
1	2	9	10	11	12	13	14	15	16	17	18
1	Thiruvananthapuram						32976	7689	1002	99	865
2	Kollam						11281	7136	367	134	429
3	Pathanamthitta	1210	1204	16	18	23	4234	1732	158	269	332
4	Alappuzha	2415	1658	191	33	73	13645	5576	458	200	702
5	Kottayam	2311	1533	159	18	53	2870	2301	143	36	87
6	Iddukki						1958	2318	1035	23	83
7	Eranakulam	4440	4931	321	90	242	10538	19593	1080	179	369
8	Thrissur	1157	781	44	61	90	13339	18245	903	1242	1810
9	Palakkad						10459	10255	1710	171	127
10	Malappuram						19623	14787	1125	414	578
11	Kozhikode						29331	10385	508	197	864
12	Wayanadu						1164	1408	65	8	46
13	Kannur	1943	1616	259	18	113	10161	14320	5121	271	434
14	Kasaragod						4456	4197	3131	94	314
	State	13476	11723	990	238	594	166035	119943	16806	3337	7030

TABLE -7
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF MOTHER FOR THE STATE
(RURAL) 2003

Order of Birth	Level of Literacy						Total
	Illiterate	Below Primary	Primary but below Matric	Matric but below Graduate	Graduate and above	Not Reported	
1	2	3	4	5	6	7	8
01	2457	1991	24919	47581	13667	388	91003
02	559	3048	25489	43131	10901	300	83428
03	1869	2415	13467	13460	1036	141	32188
04	324	3087	3497	1745	125	99	8877
05	68	279	847	255	17	28	1494
06	27	89	481	54	4	24	679
07	19	59	142	26		13	259
08	10	43	77	6	1	9	146
09	6	23	26	3		10	68
10	2	14	22	6	3	3	50
11 and above				1			1
Not reported		1	2			1	4
Total	5141	11049	68969	106268	25754	1016	218197

TABLE-8
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF MOTHER FOR THE
STATE.(URBAN) 2003

Order of Birth	Illiterate	Below Primary	Primary but below Matric	Matric but below Graduate	Graduate and above	Not Reported	Total
1	2	3	4	5	6	7	8
01	2737	2754	39274	82204	30287	680	157936
02	483	4588	36355	69671	20096	387	131580
03	1603	2837	15416	17030	1734	144	38764
04	190	3430	3474	1854	171	102	9221
05	53	244	825	288	37	21	1468
06	41	92	324	49	7	9	522
07	18	40	121	28	3	3	213
08	8	30	43	16	2	3	102
09	6	7	33	22	8	9	85
10	3	4	10	7	8	3	35
11							
12			2				2
13 and above					2		2
Not stated	4	6	48	109	51	24	242
Total	5146	14032	95925	171278	52406	1385	340172

TABLE No.9
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF MOTHER FOR THE STATE
KERALA

Order of Birth	Illiterate	Below Primary	Primary but below Matric	Matric but below Graduate	Graduate and above	Not Reported	Total
1	2	3	4	5	6	7	7
01	5194	4745	64193	129785	43954	1068	248939
02	1042	7616	61844	112802	30997	687	214988
03	3272	5252	28883	30490	2770	285	70952
04	514	6517	6971	3599	296	201	18098
05	121	523	1672	543	54	49	2962
06	68	181	805	103	11	33	1201
07	37	99	263	54	3	16	472
08	18	73	120	22	3	12	248
09	12	30	59	25	8	19	153
10	5	18	32	13	11	6	85
11				1			1
12			2				2
13 and above					2		2
Not stated	4	7	50	129	51	25	266
Total	10287	25061	164894	277566	78160	2401	558369

TABLE-10

LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF FATHER FOR THE
STATE (RURAL) 2003

Order of Birth	Level of Literacy						Total
	Illiterate	Below Primary	Primary but below Matric	Matric but below Graduate	Graduate and above	Not Reported	
1	2	3	4	5	6	7	8
01	1460	3029	39189	37821	8409	1095	91003
02	1552	3252	33162	38323	8750	389	83428
03	504	3327	17223	8882	2095	157	32188
04	340	3425	3480	1279	158	195	8877
05	56	416	743	223	23	33	1494
06	25	108	463	58	5	20	679
07	14	76	119	26	9	15	259
08	9	39	73	11	3	11	146
09	4	23	32	3	1	5	68
10	6	13	21	5	1	4	50
11				1			1
12							
13 and above							
Not stated			2	1		1	4
Total	3970	13708	94507	86633	17454	1925	218197

TABLE -11

LIVE BIRTH ACCORDING TO BIRTH AND LITERACY OF FATHER FOR KERALA 2003(URBAN)

Order of Birth	Level of Literacy						Total
	Illiterate	Below Primary	Primary but below Matric	Matric but below Graduate	Graduate and above	Not Reported	
1	2	3	4	5	6	7	8
01	1906	4993	58819	70684	19692	1842	157936
02	1777	4635	48944	62195	13341	668	131560
03	466	3894	19339	12195	2654	216	38764
04	199	3874	3355	1441	210	142	9221
05	43	362	712	272	52	27	1468
06	41	111	288	61	14	7	522
07	19	48	114	26	2	4	213
08	6	25	55	11	2	3	102
09	3	8	32	21	9	12	85
10	6	3	12	5	4	5	35
11							
12				2			2
13 and above					2		2
Not stated	4	10	51	146	23	28	262
Total	4470	17963	131721	147059	36005	2954	340172

Table 12

LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND LITERACY OF FATHER FOR THE STATE 2003

Order of Birth	Level of Literacy						Total
	Illiterate	Below Primary	Primary but below Matric	Matric but below Graduate	Graduate and above	Not Reported	
1	2	3	4	5	6	7	8
01	3366	8022	98008	108505	28101	2937	248939
02	3329	7887	82106	100518	20091	1057	214988
03	970	7221	36562	21077	4749	373	70952
04	539	7299	6835	2720	368	337	18098
05	99	778	1455	495	75	60	2962
06	66	219	751	119	19	27	1201
07	33	124	233	52	11	19	472
08	15	64	128	22	5	14	248
09	7	31	64	24	10	17	153
10	12	16	33	10	5	9	85
11				1			1
12				2			2
13 & above					2		2
Not stated	4	10	53	147	23	29	266
Total	8440	31671	226228	233692	53459	4879	558369

TABLE-13
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND OCCUPATION OF FATHER - KERALA (RURAL) 2003

Order of Birth	Professional Technical and related worker	Administrative and Executive workers	Clerical work	Sale workers	Service workers	Farmers Fishers Hunters Loggers and related workers	Production & other related workers, trans-port and other equipment operators and labours	Others whose occupation is and else where classified	Non workers	Not reported	Total
	2	3	4	5	6	7	8	9	10	11	12
01	4507	945	2824	3636	7003	10407	38858	18236	3550	1037	91003
02	2720	626	1717	3465	8984	14339	32181	15352	2747	1297	83428
03	915	174	317	800	2732	3038	12919	10205	806	282	32188
04	159	68	51	182	448	628	3284	3698	198	161	8877
05	41	37	11	55	71	311	243	622	57	46	1494
06	14	13	5	17	23	165	82	216	125	19	679
07	9	9	2	9	11	35	20	121	28	15	259
08	6	3	2	3	3	24	15	65	16	9	146
09	4	1	1	2		8	8	33	6	5	68
10	2			1	1	7	5	26	5	3	50
11											1
12											
13&above											
Not stated						3				1	4
State total	8377	1876	4930	8170	19276	28962	87618	48574	7539	2875	218197

TABLE -14

LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND OCCUPATION OF FATHER KERALA (URBAN) 2003

Order of Birth	Professional and Technical and related worker	Administrative and Executive workers	Clerical work	Sale workers	Service workers	Farmers Fishers Hunters and related workers	Production & other related workers, transport and other equipment operators and labours	Others whose occupation is and else where classified	Non workers	Not reported	Total
	2	3	4	5	6	7	8	9	10	11	12
01	9158	1887	6217	8032	12719	12673	74093	27846	3751	1560	157936
02	5832	1064	3895	6424	13991	16497	58804	21261	2784	1008	131560
03	1076	213	513	1515	3494	3239	18018	9877	587	232	38764
04	179	70	79	392	303	615	4111	3223	138	111	9221
05	32	37	22	103	63	205	291	662	36	17	1468
06	12	22	9	37	15	100	69	196	60	2	522
07	6	4	2	8	10	21	35	110	12	5	213
08	1	5	3	9	2	7	35	34	4	2	102
09	2	5	4	6	5	5	28	18	3	9	85
10		1	1	1	4		6	13	5	4	35
11											
12							2				2
13											
&above Not stated	2		10	12	6	12	136	8	51	25	262
Total	16300	3308	10757	16539	30612	33374	155628	63248	7431	2975	340172

TABLE - 15
LIVE BIRTH ACCORDING TO ORDER OF BIRTH AND OCCUPATION OF FATHER KERALA STATE 2003

Order of Birth	Professional Technical and related worker	Adminis-trativ and Executive workers	Clerical work	Sale workers	Service workers	Farmers Fishers Hunters Loggers and related workers	Production & other related workers, transport and other equipment operators and labours	Others whose occupation is and else where classified	Non workers	Not reported	Total
	2	3	4	5	6	7	8	9	10	11	12
01	13665	2832	9041	11668	19722	23080	112951	46082	7301	2597	248939
02	8552	1690	5612	9889	22975	30836	90985	36613	5531	2305	214988
03	1991	387	830	2315	6226	6277	30937	20082	1393	514	70952
04	338	138	130	574	751	1243	7395	6921	336	272	18098
05	73	74	33	158	134	516	534	1284	93	63	2962
06	26	35	14	54	38	265	151	412	185	21	1201
07	15	13	4	17	21	56	55	231	40	20	472
08	7	8	5	12	5	31	50	99	20	11	248
09	6	6	5	8	5	13	36	51	9	14	153
10	2	1	1	2	5	7	11	39	10	7	85
11									1		1
12							2				2
13&above			2								2
Not stated	2		10	12	6	12	139	8	51	26	266
Grand total	24677	5184	15687	24709	49888	62336	243246	111822	14970	5850	558369

TABLE - 16 LIVE BIRTH BY ORDER OF BIRTH AND AGE OF MOTHER - RURAL - 2003

Order of Birth	Age of Mother									All Ages
	Below 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 & above	Age not reported	
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>
01	16	5676	59019	22663	3086	401	101	39	2	91003
02	1	734	38399	32342	10477	1364	86	25		83428
03	1	41	10407	14318	6172	1143	81	25		32188
04		4	843	4579	1642	1750	51	7	1	8877
05		5	46	451	565	372	51	4		1494
06			9	79	295	264	32			679
07		1	6	27	104	101	19	1		259
08			5	11	43	57	22	8		146
09			2	5	13	32	12	4		68
10		1	1		8	26	12	2		50
11		1								1
12										
13 & above										
Not stated			2		1				1	4
Total	18	6463	108739	74475	22406	5510	467	115	4	218197

TABLE - 17 LIVE BIRTH BY ORDER OF BIRTH AND AGE OF MOTHER - URBAN - 2003

Order of Birth	Age of Mother									All Ages
	Below 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 & above	Age not reported	
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>
01	12	8812	98910	41833	6831	1132	220	79	107	157936
02		893	53034	55057	19351	2964	172	55	34	131560
03		46	11968	17413	7863	1349	90	25	10	38764
04		2	617	4725	1873	1948	49	7		9221
05			50	516	545	331	22	4		1468
06		1	4	82	219	186	23	7		522
07				25						
			1		88	82	16	1		213
08				8						
		1	4		26	43	20			102
09		4	20	8	22	14	5	2	10	85
10		1	2		5	14	8	5		35
11										
12						2				2
13 & above				2						2
Not stated		24	112		14	8			43	262
Grand Total	12	9784	164722	119730	36837	8073	625	185	204	340172

TABLE - 18

LIVE BIRTH BY ORDER OF BIRTH AND AGE OF MOTHER - KERALA - 2003

Order of Birth	Age of Mother									All Ages
	Below 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 & above	Age not reported	
1	2	3	4	5	6	7	8	9	10	11
01	28	14488	157929	64496	9917	1533	321	118	109	248939
02	1	1627	91433	87399	29828	4328	258	80	34	214988
03	1	87	22375	31731	14035	2492	171	50	10	70952
04		6	1460	9304	3515	3698	100	14	1	18098
05		5	96	967	1110	703	73	8		2962
06		1	13	161	514	450	55	7		1201
07		1	7	52	192	183	35	2		472
08		1	9	19	69	100	42	8		248
09		4	22	13	35	46	17	6	10	153
10		2	3		13	40	20	7		85
11		1								1
12						2				2
13 & above				2						2
Not stated		24	114	61	15	8			44	266
Total	30	16247	273461	194205	59243	13583	1092	300	208	558369

TABLE - 19
Live Birth By Age Of Mother In Municipalities And Corporations - Kerala - 2003

Sl. No.	Municipality/Corporation	Age of mother										Total
		Below 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 and above	NR		
1	2	3	4	5	6	7	8	9	10	11	12	
1	Attingal (M)		28	621	427	117	26	3			1222	
2	Nedumangad (M)		21	464	308	72	19			1	885	
3	Neyyattinkara (M)		18	574	407	93	27	2		3	1124	
4	Varkala (M)		44	312	279	83	18				736	
5	Thiruvananthapuram(C)		1881	17011	14026	4583	863	90	10	200	38664	
6	Paravoor (M)				3	1					4	
7	Punalur (M)	1	8	2054	1208	274	84	1			3611	
8	Kollam (C)		90	8469	5594	1349	219	9	2		15732	
9	Adoor (M)		11	982	1046	371	57	4			2471	
10	Pathanamthitta (M)		6	950	914	251	41	2			2164	
11	Thiruvalla (M)		8	2598	1538	325	92				4561	
12	Alappuzha (M)		33	5422	5025	1509	304	25	21		12339	
13	Chengannur (M)		3	407	493	171	24	1	2		1101	
14	Cherthala (M)		2	1578	1222	318	78		1		3199	
15	Kayamkulam (M)		19	2620	1839	482	80	1	2		5043	
16	Mavelikkara (M)		6	1441	1359	397	63	3			3269	
17	Changanassery (M)	2	5	668	926	392	63	13	1		2070	

Sl. No.	Municipality/Corporation	Age of mother										Total
		Below 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 and above	NR		
1		3	4	5	6	7	8	9	10	11	12	
18	Kottayam (M)		5	1207	1486	549	108	10	2		3367	
19	Pala (M)		3	840	1045	604	132	12	1		2637	
20	Vaikom (M)	1		519	614	263	39	1			1437	
21	Thodupuzha (M)	1	17	1740	2271	1099	257	29	3		5417	
22	Aluva(M)		9	1696	1604	518	87	7	1		3922	
23	Angamaly (M)		3	811	1051	300	65	6	3		2239	
24	Kalamassery (M)				3						3	
25	Kothamangalam (M)		15	1472	1706	591	116	7	2		3909	
26	Moovattupuzha (M)		12	1517	1360	455	76	2	2		3424	
27	North Parur (M)		7	1599	1451	475	93	7	2		3634	
28	Perumbavoor (M)		5	1550	877	209	36	1			2678	
29	Thrippunithura (M)		2	988	994	366	65	7			2422	
30	Kochi (C)		107	6908	8517	3229	702	64	15		19542	
31	Chalakkudy (M)		210	1998	888	279	155				3530	

TABLE - 19 (Contd..)

SLNo.	Municipality/ Corporation	Below 15	Age of Mother							45 and above	NR	Total
			15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44				
1	2	3	4	5	6	7	8	9	10	11	12	
32	Chavakkad (M)		44	500	262	82	36	1				
33	Guruvayoor (M)		7	180	137	37	18				925	
34	Iringalakuda (M)		17	700	756	232	46	2	1		379	
35	Kodungallur (M)		73	2433	1829	506	120	5	1		1754	
36	Kunnamkulam (M)		12	2223	1388	320	89	1			4967	
37	Thrissur (C)		329	10101	7975	2992	601	63	23		4033	
38	Chittoor- Thathamangal		1	143	106	26	11		1		22084	
39	Ottappalam (M)		1002	3924	2115	433	88	12	4		288	
40	Palakkad (M)		930	6768	4804	1047	222	16	15		7578	
41	Shornur (M)		115	560	296	72	11		1		13802	
42	Malappuram (M)		503	3638	2252	683	230	16	5		1055	
43	Manjeri (M)		997	4732	2872	767	221	15	6		7327	
44	Perinthalmanna (M)		862	4779	2944	748	203	12	4		9610	
45	Ponnani (M)		106	981	531	158	30	2			9552	
46	Tirur (M)		56	4975	2158	751	285	14	11		1808	
47	Quilandy (M)		5	252	181	55	9	3	1		8230	
											506	

Sl.No.	Municipality/ Corporation	Age of Mother										45 and above	NR	Total
		Below 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44						
1	2	3	4	5	6	7	8	9	10	11	12			
48	Vadakara (M)		52	811	536	175	31	4	6					1615
49	Kozhikkode (C)	1	1461	22154	11648	3136	687	53	24					39164
50	Kalpetta (M)		55	1520	852	214	45	5						2691
51	Kannur (M)	1	81	3161	1913	676	160	7						5999
52	Kannur (CB)	1	9	1036	805	257	82	10	3					2203
53	Kuthu-parambu(M)	1	24	973	556	148	38	5	1					1746
54	Mattannur (M)		7	1570	885	226	44	5						2737
55	Payyannur(M)	1	39	2721	1766	481	102	9						5119
56	Thalassery(M)	2	107	5588	3854	1130	209	17	5					10972
57	Thaliparambu(M)		85	2677	2006	587	133	11	1					5480
58	Kanjhagad (M)		35	2290	1520	414	82	7						4348
59	Kasargod (M)		192	4316	2302	779	231	23	1					7844
	Total	12	9784	164722	119730	36837	8073	625	185	204	340172			

TABLE – 20
Birth By Religion In The Corporations And Municipalities of Kerala – 2003

Sl. No.	Municipality/Corporation	Hindu	Muslim	Christian	Others	Not Reported	Total
1	2	3	4	5	6	7	8
1	Attingal (M)	685	444	88		5	1222
2	Nedumangad (M)	469	253	141		22	885
3	Neyyattinkara (M)	528	240	337		19	1124
4	Varkala (M)	420	276	31		9	736
5	Thiruvananthapuram(C)	23833	6608	7319	71	833	38664
6	Paravoor (M)	3			1		4
7	Punalur (M)	1771	1284	544	12		3611
8	Kollam (C)	8315	5001	2339	77		15732
9	Adoor (M)	1602	311	551	7		2471
10	Pathanamthitta (M)	1352	322	489	1		2164
11	Thiruvalla (M)	2329	1579	653			4561
12	Alappuzha (M)	6800	3089	2428	22		12339
13	Chengannur (M)	664	142	293	2		1101
14	Cherthala (M)	1825	879	493	2		3199
15	Kayamkulam (M)	3126	1433	479	5		5043
16	Mavelikkara (M)	2187	523	568	1		3269
17	Changanassery (M)	1004	317	744	5		2070
18	Kottayam (M)	1701	615	1041	10		3367
19	Pala (M)	1211	471	954	1		2637
20	Vaikom (M)	1045	214	176	2		1437
21	Thodupuzha (M)	2043	1182	2158	34		5417
22	Aluva(M)	1724	1551	643	4		3922
23	Angamaly (M)	657	318	1259	5		2239
24	Kalamassery (M)	2		1			3
25	Kothamangalam (M)	1557	929	1421	2		3909
26	Moovattupuzha (M)	1597	1077	746	4		3424
27	North Parur (M)	2106	769	757	2		3634
28	Perumbavoor (M)	1136	1052	483	7		2678
29	Thrippunithura (M)	1450	480	489	3		2422
30	Kochi (C)	7616	5281	6603	42		19542
31	Chalakkudy (M)	753	2460	317			3530

TABLE - 20 (Contd..)

Sl.No	Municipality/Corporation	Hindu	Muslim	Christian	Others	Nor Reporte d	Total
1	2	3	4	5	6	7	8
32	Chavakkad (M)	247	519	59			925
33	Guruvayoor (M)	165	200	14			379
34	Iringalakuda (M)	1266	192	296			1754
35	Kodungallur (M)	2281	2183	501	2		4967
36	Kunnamkulam (M)	2209	1245	579			4033
37	Thrissur (C)	13496	2831	5707	51		22084
38	Chittoor-Thathamangal	218	61	9			288
39	Ottappalam (M)	3861	3570	116	31		7578
40	Palakkad (M)	8880	4367	376	179		13802
41	Shornur(M)	590	447	13	5		1055
42	Malappuram (M)	2234	4435	618	40		7327
43	Manjeri (M)	3785	5069	749	18		9610
44	Perinthalmanna (M)	512	1280	13	3		9552
45	Ponnani (M)	512	1280	13	3		1808
46	Tirur (M)	1979	6223	15	13		8230
47	Quilandy (M)	301	196	8	1		506
48	Vadakara (M)	615	971	21	8		1615
49	Kozhikkode (C)	19016	18002	2030	116		39164
50	Kalpetta (M)	853	1319	507	12		2691
51	Kannur (M)	2177	3671	220	31		5999
52	Kuthuparambu	698	748	295	5		1746
53	Mattannur	1138	1301	294	4		2737
54	Payannur	3101	1625	376	17		5119
55	Thalassery	6126	4108	687	51		10972
56	Thaliparamba	2315	2025	1118	22		5480
57	Kanjhagad	2628	1112	582	26		4348
58	Kasaragod	2778	4684	319	63		7844
59	Kannur Cantonment	1309	723	159	12		2203
	Total	170035	116866	51344	1039	888	340172

TABLE - 21
LIVE BIRTH BY RELIGION IN KERALA (DISTRICTWISE) - 2003

DISTRICTS	RURAL/ URBAN	TOTAL BIRTHS	HINDUS	MUSLIMS	CHRISTIANS	OTHERS	Not Reported
1	2	3	4	5	6	7	
Thiruvananthapuram	Rural	9520	4291	2967	2134	5	123
	Urban	42631	25935	7821	7916	71	888
	Total	52151	30226	10788	10050	76	1011
Kollam	Rural	21187	10613	7231	3385	58	
	Urban	19347	10089	6285	2883	90	
	Total	40534	20602	13516	6268	148	
Pathanamthitta	Rural	9710	4351	3241	2116	2	
	Urban	9196	5283	2212	1693	8	
	Total	18906	9634	5453	3809	10	
Alappuzha	Rural	3174	1421	741	1012		
	Urban	24951	14602	6066	4251	32	
	Total	28125	16023	6807	5263	32	
Kottayam	Rural	21817	8031	5175	8486	125	
	Urban	9511	4961	1617	2915	18	
	Total	31328	12992	6782	11401	143	
Idukki	Rural	12907	6211	1866	4770	60	
	Urban	5417	2043	1182	2158	34	
	Total	18324	8254	3048	6928	94	
Ernakulam	Rural	8720	3192	2114	3407	7	
	Urban	41773	17845	11457	12402	69	
	Total	50493	21037	13571	15809	76	
Thrissur	Rural	16201	7009	6374	2788	30	
	Urban	37672	20416	9730	7473	53	
	Total	53873	27425	16104	10261	83	
Palakkad	Rural	20281	9478	10038	714	51	
	Urban	22723	13549	8445	514	215	
	Total	43004	23027	18483	1228	266	
Malappuram	Rural	46596	17113	24247	5210	26	
	Urban	36527	12257	21666	2523	81	
	Total	83123	29370	45913	7733	107	
Kozhikode	Rural	16430	4262	10630	1505	33	
	Urban	41285	19932	19169	2059	125	
	Total	57715	24194	29799	3564	158	
Wayanad	Rural	12388	5236	4808	2318	26	
	Urban	2691	853	1319	507	12	
	Total	15079	6089	6127	2825	38	
Kannur	Rural	10214	4601	3654	1935	24	
	Urban	34256	16864	14101	3149	142	
	Total	44470	21465	17755	5084	166	
Kasaragod	Rural	9052	3472	4976	557	47	
	Urban	12192	5406	5796	901	89	
	Total	21244	8878	10772	1458	136	
Grand Total		558369	259216	204928	91681	1533	1011

TABLE - 22

MONTH WISE DISTRIBUTION OF LIVE BIRTHS IN KERALA 2003(RURAL/URBAN).

Sl. No.	MONTH	RURAL	Percentage	URBAN	Percentage	TOTAL	Percentage
1	2	3	4	5	6	7	8
1	January	15513	7.10	24149	7.09	39662	7.10
2	February	18636	8.54	26884	7.90	45520	8.15
3	March	17544	8.04	26299	7.73	43843	7.85
4	April	18138	8.31	29164	8.57	47302	8.47
5	May	18386	8.42	26445	7.77	44831	8.02
6	June	22099	10.12	29542	8.68	51641	9.24
7	July	18212	8.34	25469	7.48	43681	7.82
8	August	15997	7.33	26181	7.69	42178	7.55
9	September	18003	8.25	28077	8.25	46080	8.25
10	October	20261	9.28	29683	8.72	49944	8.94
11	November	18056	8.67	33610	9.88	51666	9.25
12	December	17352	7.95	34669	10.19	52021	9.31
	State	218197	100	340172	100	558369	100

TABLE - 23
SEX-RATIO OF LIVE BIRTHS IN KERALA (DISTRICT WISE) -2003

DISTRICT	RURAL / URBAN	MALE	FEMALE	Not Reported	SEX-RATIO
1	2	3	4	5	6
Thiruvananthapuram	Rural	4933	4506	81	913
	Urban	20591	19728	2312	958
	Total	25524	24234	2393	949
Kollam	Rural	10723	10082	382	940
	Urban	9751	9275	321	951
	Total	20474	19357	703	945
Pathanamthitta	Rural	4958	4567	185	921
	Urban	4637	4399	160	949
	Total	9595	8966	345	934
Alappuzha	Rural	1595	1538	41	964
	Urban	12540	11929	482	951
	Total	14135	13467	523	953
Kottayam	Rural	11009	10609	199	964
	Urban	4786	4639	86	969
	Total	15795	15248	285	965
Idukki	Rural	6428	6152	327	957
	Urban	2752	2610	55	948
	Total	9180	8762	382	954
Eranakulam	Rural	4387	4229	104	964
	Urban	21032	20363	378	968
	Total	25419	24592	482	967
Thrissur	Rural	8067	7964	170	987
	Urban	19254	18092	326	940
	Total	27321	26056	496	954
Palakkad	Rural	10341	9733	207	941
	Urban	11735	10785	203	919
	Total	22076	20518	410	929
Malappuram	Rural	23650	22169	777	937
	Urban	18599	17620	308	947
	Total	42249	39789	1085	942
Kozhikode	Rural	8270	7896	264	955
	Urban	20538	20276	471	987
	Total	28808	28172	735	976
Wayanad	Rural	6225	6017	146	967
	Urban	1397	1263	31	904
	Total	7622	7280	177	956
Kannur	Rural	5243	4856	115	926
	Urban	17580	16375	301	931
	Total	22823	21231	416	939
Kasaragod	Rural	4616	4325	111	937
	Urban	6190	5895	107	952
	Total	10806	10220	218	946
Grand Total		281827	267892	8650	951

TABLE - 24

MONTHWISE DISTRIBUTION OF DEATHS IN KERALA (RURAL / URBAN)

Sl. No.	Month	Rural	% to Total	Urban	% to Total	Total	% to Total
1	January	8898	6.93	4849	7.36	13747	7.07
2	February	8774	6.83	4072	6.18	12846	6.61
3	March	8889	6.92	5536	8.55	14425	7.42
4	April	10901	8.49	5563	8.62	16464	8.48
5	May	11378	8.86	6495	9.85	17873	9.20
6	June	11565	9.00	6598	10.01	18163	9.34
7	July	12517	9.74	6583	13.02	19100	9.83
8	August	11738	9.14	5671	8.60	17409	8.96
9	September	11450	8.91	4718	7.16	16168	8.32
10	October	10609	8.26	4838	7.34	15447	7.95
11	November	9761	7.60	4624	7.02	14385	7.40
12	December	11905	9.27	6332	9.61	18237	9.38
	STATE	128385	100	65879	100	194264	100

TABLE -25
DEATH BY AGE AND SEX IN KERALA - 2003

Sl. No.	Age Group	Rural			Urban			All Ages				
		Male	Female	NR	Male	Female	NR	Male	Female	NR	Total	
1	2	3	4	5	7	8	9	10	11	12	13	14
1	Below 1 year	92	135	2	1144	912	174	2230	1236	1047	176	2459
2	1 to 4 years	621	303	4	227	171	14	412	848	474	18	1340
3	5 to 14 years	840	460	3	361	260	11	632	1201	720	14	1935
4	15 to 24 years	1092	1036	8	900	690	31	1621	1992	1726	39	3757
5	25 to 34 years	2470	1001	11	1090	682	25	1797	3560	1683	36	5279
6	35 to 44 years	3447	1518	28	2272	942	66	3280	5719	2460	94	8273
7	45 to 54 years	6889	3045	43	3315	1283	118	4716	10204	4328	161	14693
8	55 to 64 years	10359	6373	71	4912	3072	139	8123	15271	9445	210	24926
9	65 to 69 years	8629	4464	45	4881	1802	83	6766	13510	6266	128	19904
10	Above 70	37319	35587	253	15423	13652	332	29407	52472	49239	585	102566
11	NR	770	1414	53	3159	1921	1815	6895	3929	3335	1868	9132
12	Total	72528	55336	521	37684	25387	2808	65879	110212	80723	3329	194264

TABLE -26
DEATH BY RELIGION IN KERALA (DISTRICTWISE)

DISTRICT	RURAL / URBAN	Hindus	Muslims	Christian	Others	Not Reported	Total
1	2	3	4	5	6	7	8
Thiruvananthapuram	Rural	5659	687	1919	21	81	8367
	Urban	8791	1418	2161	27	478	12875
	Total	14450	2105	4080	48	559	21242
Kollam	Rural	7992	1325	2181	58	58	11614
	Urban	2178	471	759	9	16	3433
	Total	10170	1796	2940	67	74	15047
Pathanamthitta	Rural	4239	819	2065	71	259	7453
	Urban	1078	83	945	2	2	2110
	Total	5317	902	3010	73	261	9563
Alappuzha	Rural	5907	852	2516	10	57	9342
	Urban	2511	376	1049	7	61	4004
	Total	8418	1228	3565	17	118	13346
Kottayam	Rural	5365	761	4846	21	162	11155
	Urban	873	57	692	1	24	1647
	Total	6238	818	5538	22	186	12802
Idukki	Rural	2537	218	2146	14	53	4968
	Urban	277	75	268	1	6	627
	Total	2814	293	2414	15	59	5595
Ernakulam	Rural	5318	1097	3530	60	263	10268
	Urban	5314	1381	3612	29	232	10568
	Total	10632	2478	7142	89	495	20836
Thrissur	Rural	8589	2144	3469	153	593	14948
	Urban	3901	1271	2380	2	8	7562
	Total	12490	3415	5849	155	601	22510
Palakkad	Rural	8903	2152	733	24	86	11898
	Urban	2496	584	78	25	32	3215
	Total	11399	2736	811	49	118	15113
Malappuram	Rural	5120	4807	2095	12	43	12077
	Urban	1608	1406	674	3	14	3705
	Total	6728	6213	2769	15	57	15782

TABLE -26 Contd.....

DISTRICT 1	RURAL/ URBAN 2	Hindus 3	Muslims 4	Christian 5	Others 6	Not Reported 7	Total 8
Kozhikode	Rural	4875	2217	703	34	85	7914
	Urban	5771	3120	1188	76	70	10225
	Total	10646	5337	1891	110	155	18139
Wayanad	Rural	1777	660	970	6	41	3454
	Urban	135	83	68	2	2	290
	Total	1912	743	1038	8	43	3744
Kannur	Rural	6388	1834	1388	12	73	9695
	Urban	2857	931	533	15	69	4405
	Total	9245	2765	1921	27	142	14100
Kasaragod	Rural	3150	1120	926	10	26	5232
	Urban	751	296	151	7	8	1213
	Total	3901	1416	1077	17	34	6445
	G. Total	114360	32245	44045	712	2902	194264

TABLE - 27
DISTRIBUTION OF DEATH DUE TO SOME SPECIFIED DISEASES

Sl. No	Cause of Death	Rural			Urban			Total					
		Male	Female	Sex Nr	Male	Female	Sex Nr	Male	Female	Sex Nr			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Cholera	37	12		49	15	7		22	52	19		71
2	Typhoid	95	101	1	197	26	18		44	121	119	1	241
3	Food poisoning	36	13		49	9	9		18	45	22		67
4	Dysentery	64	70		134	8	8		16	72	78		150
5	Tuberculosis	681	230	6	917	283	82	31	396	964	312	37	1313
6	Leprosy	8	4	1	13	5	13	36	54	13	17	37	67
7	Diphtheria	281	25		306	243	2		245	524	27		551
8	Whooping cough	27	13		40	5	7		12	32	20		52
9	Tetanus	19	1		20	12	15		27	31	16		47
10	Polimylitis	52	42		94	6	3		9	58	45		103
11	Measils	5	2		7	7	6		13	12	8		20
12	Rabbies	14	15		29	2	1		3	16	16		32
13	Malaria	13	6		19	5	1		6	18	7		25
14	Cancer	4924	3297	39	8260	2205	1281	118	3604	7129	4578	157	11864
15	Diabetes	1659	2027	17	3703	937	1289	88	2314	2596	3316	105	6017
16	Anaemia	40	49	1	90	48	60	3	111	88	109	4	201
17	Meningitis	151	412	1	564	70	59	4	133	221	471	5	697
18	Heart attack	16614	7281	94	23989	10883	5122	560	16565	27497	12403	654	40554
19	Pneumonia	278	218	2	498	234	119	4	357	512	337	6	855
20	Influenza	1053	508	3	1564	232	50		282	1285	558	3	1846
21	Asthma	10993	8386	72	19451	2612	1205	32	3849	13065	9591	104	23300
22	Jaundice	134	113	2	249	45	23		38	179	136	2	317
23	Liver diseases	594	259	1	854	528	212	4	744	1122	471	5	1598
24	Ulcer	287	190	3	480	63	20	8	91	350	210	11	571
25	Appendicitis	11	12		23	1	1		2	12	13		25
26	Syphilis and genitourinary Diseases	1			1					1			1
27	Abortion		1		1		1		1		2		2

TABLE 28

INFANT DEATH BY SEX IN KERALA - 2003 (DISTRICT WISE)

District	Rural/ Urban	Male		Female		Infant Death	Sex Not Reported	Total
		1	2	3	4			
Thiruvananthapuram	Rural	4	5	4	5	5	1	10
	Urban	272	172	272	172	172	170	614
	Total	276	177	276	177	177	171	624
Kollam	Rural	7	2	7	2	2	.	9
	Urban	35	41	35	41	41	1	77
	Total	42	43	42	43	43	1	86
Pathanamthitta	Rural	7	7	7	7	7		7
	Urban	41	30	41	30	30		71
	Total	41	37	41	37	37		78
Alappuzha	Rural	3	7	3	7	7		10
	Urban	15	23	15	23	23		38
	Total	18	30	18	30	30		48
Kottayam	Rural	9	8	9	8	8		17
	Urban	19	7	19	7	7		26
	Total	28	15	28	15	15		43
Idukki	Rural	8	12	8	12	12		20
	Urban	5	9	5	9	9		14
	Total	13	21	13	21	21		34
Ernakulam	Rural	5	3	5	3	3		8
	Urban	134	123	134	123	123	1	258
	Total	139	126	139	126	126	1	266
Thrissur	Rural	76	15	76	15	15		15
	Urban	76	108	76	108	108		184
	Total	76	123	76	123	123		199
Palakkad	Rural	5	7	5	7	7		12
	Urban	39	25	39	25	25		64
	Total	44	32	44	32	32		76

TABLE 28 Contd...

District	Rural/ Urban	Male		Female		Infant Death	Sex Not Reported	Total
		2	3	4	5			
Malappuram	Rural	7			11			18
	Urban	90			94			184
	Total	97			105			202
Kozhikode	Rural	20			23			43
	Urban	323			212	2		537
	Total	343			235	2		580
Wayanad	Rural	8			8			16
	Urban	5			4			9
	Total	13			12			25
Kannur	Rural	12			17			29
	Urban	61			44			105
	Total	73			61			134
Kasaragod	Rural	4			10		1	15
	Urban	29			20			49
	Total	33			30	1		64
Grand Total		1236		1047		176		2459

TABLE - 29
INFANT DEATHS BY AGE AND SEX IN KERALA - 2003

Age/Sex	Rural				Urban				Total			
	Male	Female	Sex NR	Total	Male	Female	Sex Nr	Total	Male	Female	Sex NR	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
Under one week	35	42	2	79	691	488	120	1299	726	530	122	1378
One week to one month	24	49		73	233	267	23	523	257	316	23	596
One month to below 3 months	4	5		9	65	37	11	113	69	42	11	122
3 months to below 6 months	9	14		23	76	57	8	141	85	71	8	164
6 months to 12 months	20	25		45	79	63	12	154	99	88	12	199
Total	92	135	2	229	1144	912	174	2230	1236	1047	176	2459

TABLE - 30
MATERNAL DEATHS BY AGE- 2003

Age at death	Rural	Urban		Total per all areas
		Town with population 30000 and above	Other urban areas	
1	2	3	4	5
Below 15 years	7	12	0	19
15 to 19	1	0	1	2
20 to 24	13	26	2	41
25 to 29	11	10	1	22
30 to 34	5	8	0	13
35 to 39	9	13	0	22
40 to 44	1	3	0	4
45 and above	7	3	0	10
Not reported			0	
Total	54	75	4	133

630

