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**vital statistics
bulletin no. 47**

**DEPARTMENT OF ECONOMICS & STATISTICS
TRIVANDRUM**

1988

GOVERNMENT OF KERALA

VITAL STATISTICS

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DEPARTMENT OF ECONOMICS & STATISTICS

TRIVANDRUM

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P R E F A C E

This bulletin presents the vital statistics of the state for the calendar year 1983. The data relating to vital events received from the registering authorities are processed and vital rates estimated.

This bulletin has been prepared by the vital statistics unit of the population division.

K. Balakrishnan Nair
Director of Economics & Statistics

Trivandrum,

15-10-1987.

Introduction

The data on births and deaths collected through the civil registration system for the calendar year 1983 are consolidated and presented in this bulletin. The registration of births and deaths in the state is governed by the Birth and Death Act of 1969 and the Rules made thereunder in 1970. The Act provides for a suitable machinery for effective Registration of Births and Deaths and compilation of the details. The Chief Registrar is the Director of Panchayats and the Additional Chief Registrar is the Additional Director of Economics and Statistics. The District Panchayat Officers are the District Registrars. In the Panchayats, the Executive Officers are the statutory Local Registrars and in the municipalities and city corporations the commissioners are the Registrars. The Health Inspectors/Officers are the Local Registrars of the Municipalities/Corporations. The data received from the registering authorities are scrutinized, coded and tabulated by the Vital Statistics Unit of the Department of Economics and Statistics.

2. Source of the data

The relevant details of birth and death are recorded in separate registers kept at the registration units. The registers contain information such as date of birth, sex of child, literacy of mother and father, occupation, religion, age of mother, type of attention etc. in the case of birth and information such as date of death, age, sex, occupation, religion and cause of death of the deceased etc. in the case of death. These details are entered in the prescribed birth and death cards by the local registrars and forwarded to the Department of Economics and Statistics for the preparation of statistical reports.

3. Limitation of the data

Civil registration usually does not turn out to be exhaustive in nature. Actual events that occurred are greater in number than those registered. The success of civil registration depends to a large extent on the civic consciousness and co-operation of the people. From the data we see that the registered vital rate is higher in the urban areas than in the rural areas due to the fact that the registration is defacto and the urban hospital facilities are utilised by the rural people also. Attempts are being made to improve registration of birth and death by educating the public on the importance and necessity of vital registration through intensive publicity and propaganda.

4. Processing of data

The data are processed through manual and mechanical tabulation.

5. Vital rates

The data available from the events reported are used for arriving at the following registered vital rates.

- a) Crude birth rate: Crude birth rate is the number of live births per thousand population (mid year)
- b) Crude death rate: Crude death rate is the number of deaths per thousand population (mid year)
- c) Infant death rate: Infant death rate is the number of deaths of infants below one year of age out of thousand live births in the year.
- d) Maternal death rate: Maternal death rate is the number of maternal deaths per thousand live and still births.
- e) Still birth rate: The still birth rate is the number of such births per thousand live and still births.

6. Birth and birth rates for the year 1983

A total of 5.46 lakhs of live births were registered in the state during the year 1983, of which 3.29 lakhs were in the rural areas and 2.17 lakhs in the urban areas. The registered birth rate of the state during the year 1983 works out to 20.57 indicating a decline from 21.48 in 1982. The district-wise breakup are presented in table 1. As in the previous year Malappuram registered the highest rate ie. 30.00 in the State. The other districts where the birth rate exceeds the State average are Palghat (23.99), Kozhikode (22.40) and Cannanore (22.20). In 1982 also, Palghat, Kozhikode and Cannanore had birth rates higher than the state average. The lowest birth rate is in Pathanamthitta (14.75)

7. Death and death rates for the year 1983

During 1983, 1.19 lakh deaths were registered in the State. In rural areas the number registered turned out to be 0.82 lakh and in urban areas it was 0.37 lakh. The death rate for the State was 4.50 during the year against 4.59 in 1982. The highest death rate of 5.82 was recorded in Palghat district. During 1982, the highest death rate was in Kozhikode (5.71). In Trivandrum (4.26), Quilon (3.64), Idukki (2.96), Trichur (4.48), Malappuram (4.39), Wayanad (3.39) and Pathanamthitta (3.66), the death rates were lower than the State average. A rise in death rate over the previous year is noted in Kottayam, Ernakulam, Palghat, Malappuram and Cannanore.

8. Infant death rate for the State for 1983

The number of infant deaths that occurred during 1983 was 8659 - a higher figure than 8587 in 1982. The infant death rate in 1983 was 15.86 compared to 15.32 in 1982. The highest infant death rate during 1983 was

22.45 in Kozhikode. In 1982 the highest infant death rate was in Trivandrum (24.72). The lowest death rate in 1983 was 11.67 in Malappuram. During the previous year also the infant death rate was lowest in Malappuram (10.78).

9. Maternal death rate

During 1983, 111 maternal deaths occurred. The majority of such deaths was in rural areas (106). 1983 witnessed a decline of maternal deaths from 127 in 1982. The maternal death rate came to 0.20 in 1983. During the year, there was an increase in maternal deaths in Trichur, Kozhikode and Wayanad.

10. Still birth rate for the state in 1983

The number of still births declined to 3441 in 1983 from 4854 in 1982. The still birth rate for the state during the year was 6.26. This rate was lowest in Trivandrum (2.42) and highest in Wayanad (11.85) during the year. In four districts, namely Trivandrum (2.42), Malappuram (2.73), Cannanore (3.26) and Pathanamthitta (5.66), this rate was lower than the State average.

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Table 1 - Total number of live births, deaths, still births, infant deaths and maternal deaths and their rates 1983

District	Midyear Rural/Urban population (in '000)	Live births										Deaths		Still births		Infant deaths		Maternal deaths			
		1983		1982		1983		1982		1983		1982		1983		1982		1983		1982	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
Trivandrum	Rural	2064	14133	6.84	8.21	4740	2.29	2.86	38	2.68	1.56	97	6.86	9.49	2	0.14	0.78				
	Urban	642	37477	58.37	57.62	6793	10.58	10.53	87	2.32	10.69	994	26.52	31.66	-	-	-				
	Total	2706	51610	19.07	19.97	11533	4.26	4.68	125	2.42	7.84	1091	21.14	24.72	2	0.04	0.24				
Quilon	Rural	2100	25079	11.94	14.05	6167	2.93	3.38	172	6.81	8.09	278	11.08	9.85	4	0.16	0.19				
	Urban	186	15398	82.78	82.18	2161	11.61	10.49	149	9.58	12.57	310	20.13	17.66	-	-	0.22				
	Total	2286	40477	17.71	19.21	8328	3.64	3.92	321	7.87	9.53	588	14.53	12.38	4	0.10	0.20				
Pathanamthitta	Rural	1091	10827	9.92	-	3510	3.21	-	53	4.87	-	111	10.25	-	4	0.37	-				
	Urban	64	6215	97.10	-	717	11.20	-	44	7.03	-	90	14.48	-	-	-	-				
	Total	1155	17042	14.75	-	4227	3.66	-	97	5.66	-	201	11.79	-	4	0.23	-				
Alleppey	Rural	1616	14596	9.03	10.98	5818	3.60	4.01	35	2.39	2.11	107	7.33	8.85	3	0.21	0.09				
	Urban	329	16290	49.51	53.94	3140	9.54	9.47	164	9.97	5.23	321	19.70	15.99	-	-	0.10				
	Total	1945	30886	15.88	17.40	8958	4.61	4.82	199	6.40	3.56	428	13.86	12.16	3	0.10	0.10				
Kottayam	Rural	1608	21138	13.14	13.69	7343	4.56	4.52	147	6.91	7.43	452	21.38	18.07	1	0.05	-				
	Urban	162	11403	70.38	70.94	1173	7.24	6.78	73	6.36	8.59	89	7.80	7.97	-	-	-				
	Total	1770	32541	18.38	19.05	8516	4.81	4.73	220	6.72	7.84	541	16.63	14.55	1	0.03	-				
Idukki	Rural	973	11915	12.24	12.60	2652	2.72	2.99	162	13.41	7.31	263	22.07	22.17	3	0.25	0.49				
	Urban	37	3979	107.54	100.19	341	9.21	9.14	7	1.76	9.62	50	12.57	17.80	-	-	-				
	Total	1010	15894	15.74	15.82	2993	2.96	3.21	169	10.52	7.85	313	19.69	21.15	3	0.19	0.37				
Ernakulam	Rural	1899	14603	7.68	8.01	6303	3.31	3.15	100	6.80	7.66	170	11.64	10.20	7	0.48	0.80				
	Urban	744	35609	47.86	48.40	5684	7.63	7.54	308	8.58	11.99	604	16.96	17.03	-	-	-				
	Total	2643	50212	19.00	19.44	11987	4.54	4.39	408	8.06	10.71	774	15.41	15.01	7	0.14	0.24				

(contd.)

(Table 1 contd.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Trichur	Rural	2293	26049	11.56	12.10	7876	3.43	3.64	105	4.01	5.94	286	10.98	9.15	5	0.19	0.07
	Urban	250	25540	102.16	105.48	3506	14.02	13.96	274	10.66	12.01	474	18.56	16.44	-	-	0.11
	Total	2543	51589	20.29	21.41	11382	4.48	4.66	379	7.29	8.93	760	14.73	12.73	5	0.10	0.09
Palghat	Rural	1950	42459	21.77	20.57	10251	5.25	4.99	180	4.22	3.83	573	13.49	13.55	12	0.28	0.45
	Urban	182	8693	47.76	46.43	2158	11.85	11.31	240	26.87	25.99	299	34.46	36.50	-	-	0.12
	Total	2132	51152	23.99	22.78	12409	5.82	5.53	420	8.14	7.77	872	17.05	17.55	12	0.23	0.39
Methappuram	Rural	2317	62450	26.95	26.40	8998	3.88	3.63	130	2.08	2.86	505	8.09	7.97	7	0.11	0.31
	Urban	168	12896	68.59	59.58	2003	10.65	10.33	76	5.86	27.33	374	29.00	26.45	-	-	0.09
	Total	2505	75346	30.00	28.84	11001	4.39	4.13	206	2.73	6.66	879	11.67	10.78	7	0.09	0.28
Kozhikode	Rural	1864	24659	13.22	15.91	5311	2.84	3.55	26	1.05	1.94	144	5.84	6.44	5	0.20	0.10
	Urban	477	27772	58.22	59.51	7250	15.19	14.14	518	18.31	24.72	1033	37.19	35.22	5	0.18	0.07
	Total	2341	52431	22.40	24.76	12561	5.37	5.71	544	10.27	13.19	1177	22.45	20.48	10	0.19	0.09
Wayanad	Rural	577	11755	20.37	19.96	1958	3.39	3.59	141	11.85	11.55	169	14.38	18.26	35	2.94	0.17
	Urban	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total	577	11755	20.37	19.96	1958	3.39	3.59	141	11.85	11.55	169	14.38	18.26	35	2.94	0.17
Cannanore	Rural	2758	49267	17.99	20.42	11515	4.20	4.12	-	-	6.55	570	11.57	10.75	188	0.37	0.50
	Urban	185	15630	84.48	78.38	2046	11.05	10.03	212	13.38	14.85	296	18.94	16.51	-	-	0.13
	Total	2923	64897	22.20	24.15	13561	4.61	4.50	212	3.26	8.30	866	13.34	11.95	18	0.28	0.42
State	Rural	23090	328930	14.25	15.36	82442	3.57	3.73	1289	3.90	5.10	3725	11.33	10.89	106	0.32	0.32
	Urban	3446	216902	62.94	62.30	36972	10.72	10.33	2152	9.82	14.24	4934	22.75	22.57	5	0.02	0.07
	Total	26536	545832	20.57	21.48	119414	4.50	4.59	3441	6.26	8.58	8659	15.86	15.32	111	0.20	0.22

Table 2 - 1981 Census population ('000) of districts - rural, urban and sex-wise

Sl. No.	District	Total Population	Rural		Urban*		Population not under regn.			Population of towns each with population 30,000 and above		
			Male	Female	Male	Female	Rural		Urban		Male	Female
							Male	Female	Male	Female		
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	Trivandrum	2596	972	1005	307	312	-	-	-	-	279	282
2.	Quilon	2193	995	1017	90	91	-	-	-	-	90	91
3.	Pathanamthitta	1108	509	537	30	32	-	-	-	-	16	17
4.	Alleppey	1866	754	789	159	164	-	-	-	-	134	137
5.	Kottayam	1697	769	769	79	80	-	-	-	-	58	58
6.	Idukki	969	475	458	18	18	-	-	-	-	18	18
7.	Ernakulam	2535	909	908	360	358	-	-	-	-	297	293
8.	Trichur	2440	1045	1149	117	129	-	-	-	-	74	80
9.	Falghat	2044	907	960	87	90	-	-	-	-	87	90
10.	Malappuram	2403	1083	1142	88	90	-	-	-	-	88	90
11.	Kozhikode	2245	883	904	228	230	-	-	-	-	228	230
12.	Wayanad	554	284	270	-	-	-	-	-	-	-	-
13.	Cannanore	2804	1290	1334	89	91	-	-	-	-	88	91
	State	25454	10875	11242	1652	1685	-	-	-	-	1457	1477

* only municipalities and city corporations and guruvayoor township are included in urban areas.

Table 3 - Total number of births, deaths, still births, infant deaths and maternal deaths in city corporations and municipalities having a population 50,000 and above

Corporation/ municipality	Total		Births		Deaths		Still birth		Infant death		Maternal death	
	1	2	3	4	5	6	7	8	9	10		
Trivandrum corpn.	26777	13708	13069	6053	3702	2351	37	904	-	-		
Nedumangad	3017	1564	1453	206	134	72	3	30	-	-		
Attingal	1622	811	811	113	61	52	4	4	-	-		
Varkala	3080	1568	1512	121	72	49	13	15	-	-		
Punalur	2764	1379	1385	322	190	132	42	53	-	-		
Quilon	12634	6595	6039	1839	1129	710	167	257	-	-		
Pathanamthitta	3100	1562	1538	252	171	81	18	27	-	-		
Kayamkulam	3360	1724	1636	287	160	127	28	16	-	-		
Alleppey	7246	3692	3554	1851	1154	697	91	221	-	-		
Sheratalai	2370	1237	1133	475	269	206	42	43	-	-		
Kottayam	4428	2265	2163	499	299	200	-	31	-	-		
Changanacherry	2370	1213	1157	258	163	95	9	22	-	-		
Thodupuzha	3979	2076	1903	341	201	140	7	50	-	-		
Cochin corpn.	15236	7709	7527	3610	2262	1348	160	311	-	-		
Thrippunithura	2230	1120	1110	240	141	99	21	18	-	-		
Kothamanegalam	3826	1963	1863	375	223	152	31	70	-	-		

(contd.)

(table 3 contd.)

1	2	3	4	5	6	7	8	9	10
Trichur	12992	6568	6424	2114	1388	726	117	291	-
Chalakudi	2471	1257	1214	269	180	89	27	40	-
Chavakkad	1510	792	718	208	117	91	21	34	-
Palghat	6993	3691	3302	1643	989	654	131	262	-
Shornur	502	249	253	188	101	87	1	2	-
Chittur	1198	597	601	327	182	145	8	35	-
Malappuram	2369	1241	1128	323	172	151	37	86	-
Manjeri	4850	2509	2341	881	527	354	-	131	-
Ponnani	1924	997	927	299	175	124	-	55	-
Tirur	3753	1911	1842	500	296	204	-	102	-
Calicut corpn.	20979	11037	9942	6709	4169	2540	490	943	5
Badagara	6793	3498	3295	541	320	221	28	90	-
Cannanore	3364	1707	1657	540	306	234	-	43	-
Tellicherry	8067	4073	3994	996	597	399	78	129	-
Kasaragod	4199	2170	2029	510	289	221	134	124	-
Total	180003	92483	87520	32890	20139	12751	1745	4439	5

Table 4 - Total number of births and deaths, still births, infant deaths and maternal deaths in city corporations and municipalities having a population of 30,000 and over - district-wise

District	1	2	3	4	5	6
	Births	Deaths	Still births	Infant deaths	Maternal deaths	
Trivandrum	34496	6493	57	953	-	
Quilon	15398	2161	209	310	-	
Pathanamthitta	3100	252	18	27	-	
Alleppey	12976	2613	161	280	-	
Kottayam	6798	757	9	53	-	
Idukki	3979	341	7	50	-	
Ernakulam	21292	4225	212	399	-	
Trichur	16973	2591	165	365	-	
Palghat	8693	2158	140	299	-	
Malappuram	12896	2003	37	374	-	
Kozhikode	27772	7250	518	1033	5	
Wayanad	-	-	-	-	-	
Cannanore	15630	2046	212	296	-	
Total	180003	32890	1745	4439	5	

Table 5 - Births, deaths, still births and infant deaths and their rates in city corporations & municipalities

Corporations/ municipalities	Births				Deaths				Still births				Infant death				maternal death											
	Male		Female		Male		Female		Rate		Total		Male		Female		Rate		Total		Male		Female		Rate		Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Trivandrum corpn.	13708	13069	26777	53.33	3702	2351	6053	12.06	37	1.38	904	33.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nedumangad	1564	1453	3017	66.08	134	72	206	4.52	3	0.99	30	9.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Varkala	1568	1512	3080	87.88	72	49	121	3.45	13	4.20	15	4.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neyyattinkara	1508	1473	2981	102.72	188	112	300	10.34	20	6.66	41	13.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Attingal	811	811	1622	53.55	61	52	113	3.73	4	2.46	4	2.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quilon	6595	6039	12634	89.38	1129	710	1839	13.00	167	13.05	257	20.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Punalur	1379	1385	2764	62.45	190	132	322	7.28	42	14.97	53	19.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pathanamthitta	1562	1538	3100	90.85	171	81	252	7.38	18	5.77	27	8.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thiruvalla	1523	1592	3115	104.35	282	183	465	15.57	26	8.28	63	20.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alleppey	3692	3554	7246	40.05	1154	697	1851	10.74	91	12.40	221	30.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sherthalai	1237	1133	2370	57.22	269	206	475	11.47	42	17.42	43	18.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mavelikkara	1336	1264	2600	96.93	225	145	370	13.79	-	-	35	13.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kayamkulam	1724	1636	3360	53.21	160	127	287	4.54	28	8.26	16	4.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chengannur	345	369	714	28.59	96	61	157	6.29	3	4.18	6	8.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kottayam	2265	2163	4428	67.52	299	200	499	7.60	-	-	31	7.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Changanacherry	1213	1157	2370	44.90	163	95	258	4.89	9	3.78	22	9.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vaikom	1025	996	2021	94.62	105	81	186	8.71	30	14.63	17	8.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palai	1315	1269	2584	117.71	144	86	230	10.48	34	12.98	19	7.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thodupuzha	2076	1903	3979	106.30	201	140	341	9.11	7	1.76	50	12.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cochin corpn.	7709	7527	15236	28.62	2262	1348	3610	6.78	160	10.39	311	20.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trippunithura	1120	1110	2230	48.87	141	99	240	5.26	21	9.33	18	8.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(contd.)

(Table 5 contd.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Kothamangalam	1963	1863	3826	110.53	223	152	375	10.84	31	8.04	70	18.30	-	-
Alwaye	2337	2163	4500	176.00	267	141	408	15.96	39	8.59	72	16.00	-	-
Parur	1539	1377	2916	109.00	196	118	314	11.74	-	-	40	13.72	-	-
Angamali	1158	1092	2250	76.71	221	115	336	11.46	13	5.74	39	17.33	-	-
Perumbavoor	1208	1057	2265	95.96	127	80	207	8.77	23	10.05	22	9.71	-	-
Muvattupuzha	1184	1202	2386	91.35	112	82	194	7.43	21	8.72	32	13.41	-	-
Trichur	6568	6424	12992	165.88	1388	726	2114	26.99	117	8.93	291	22.40	-	-
Chalakudy	1257	1214	2471	57.50	180	89	269	6.26	27	10.80	40	16.19	-	-
Chavakkad	792	718	1510	42.30	117	91	208	5.83	21	13.72	34	22.52	-	-
Irinjalakuda	996	981	1977	75.29	150	91	241	9.18	35	17.40	16	8.09	-	-
Kunnankulam	1415	1234	2649	134.47	155	108	263	13.35	35	13.04	47	17.74	-	-
Guruvayoor township	16	18	34	1.85	58	52	110	5.99	-	-	1	29.41	-	-
Kodungalloor	2055	1852	3907	134.64	182	119	301	10.37	39	9.88	45	11.52	-	-
Palghat	3691	3302	6993	60.70	989	654	1643	14.26	131	18.38	262	37.47	-	-
Shornur	249	253	502	13.90	101	87	188	5.20	1	1.99	2	3.98	-	-
Chittur	597	601	1198	38.81	182	145	327	10.59	8	6.63	35	29.22	-	-
Malappuram	1241	1128	2369	56.59	172	151	323	7.72	37	15.38	86	36.30	-	-
Manjeri	2509	2341	4850	83.66	527	354	881	15.20	-	-	131	27.01	-	-
Ponnani	997	927	1924	44.36	175	124	299	6.89	-	-	55	28.59	-	-
Tirur	1911	1842	3753	81.07	296	204	500	11.60	-	-	102	27.18	-	-
Calicut corpn.	11037	9942	20979	51.16	4169	2540	6709	16.36	490	22.83	943	44.95	5	0.23
Badagara	3498	3295	6793	101.64	320	221	541	8.09	28	4.10	90	13.25	-	-
Cannanore	1707	1657	3364	53.97	306	234	540	8.66	-	-	43	12.78	-	-
Tellicherry	4073	3994	8067	104.44	597	399	996	12.89	78	9.58	129	15.99	-	-
Kasaragod	2170	2029	4199	92.69	289	221	510	11.26	134	30.93	124	29.53	-	-

Table 6 - Live birth by type of attention at delivery (rural and urban)

District	Rural										Urban							
	Total institutional					Domiciliary					Town with population less than 30000				Town with population above 30000			
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Trivandrum	14133	8515	248	2015	3355	2929	1	46	5	34359	-	-	137					
Quilon	25079	19050	780	3249	2000	-	-	-	-	15342	-	-	56					
Pathanamthitta	10827	8566	144	894	1223	3115	-	-	-	3100	-	-	-					
Alleppey	14596	8399	2311	2779	1107	3296	-	-	18	12785	74	100	17					
Kottayam	21138	18449	538	1173	978	4605	-	-	-	6798	-	-	-					
Idukki	11915	7226	454	2017	2218	-	-	-	-	3970	-	-	9					
Ernakulam	14603	12601	338	1119	545	14223	31	-	63	21217	-	17	58					
Trichur	26049	19510	1054	2393	3092	8527	22	13	5	16898	-	40	35					
Palghat	42459	19912	1045	2350	19152	-	-	-	-	8221	58	136	278					
Malappuram	62450	11992	1952	16180	32326	-	-	-	-	11214	155	1504	23					
Kozhikode	24659	16543	1065	4444	2607	-	-	-	-	26639	596	413	124					
Wayanad	11755	7777	460	2413	1105	-	-	-	-	-	-	-	-					
Cannanore	49267	26886	4663	7628	10090	-	-	-	-	15491	32	20	87					
State	328930	185426	15052	48654	79798	36695	54	59	91	176034	915	2230	824					

Table 7 - Live-births according to order of birth and literacy of mother for the state - rural 1983

Order of birth	Literate	Matriculation	Graduation	Not reported	Total
1	64746	27595	3312	722	105656
02	60177	18538	2005	633	91575
03	41719	7863	503	465	59463
04	20541	1621	86	262	29272
05	11061	451	22	163	16697
06	3828	6583	147	92	10656
07	2526	3727	72	75	6402
08	1588	2147	20	35	3793
09	824	1124	13	25	1987
10	498	645	21	12	1176
11 & above	243	326	8	4	582
Not stated	221	1090	285	47	1671
Total	49506	213886	57034	2535	328930

Table 8 - Live-births according to order of birth and literacy of mother for the state - urban 1983

Order of birth	Literate	Matriculation	Graduation	Not reported	Total
1	43278	31650	6862	-	86058
02	36207	19076	4145	-	63129
03	26441	8785	1035	-	39414
04	10206	1863	165	-	14075
05	4471	393	41	-	6086
06	2219	128	8	-	3190
07	1195	38	4	-	1735
08	733	23	-	-	1099
09	334	11	-	-	543
10	253	3	2	-	391
11 & above	47	58	-	-	108
Not stated	153	441	372	-	1074
Total	16351	125836	62345	12370	216902

Table 9 - Live-births according to order of birth and literacy of father for the state - rural 1983

Order of birth	Illiterate	Literate			Not reported	Total	
		Below matriculation	Matriculation higher secondary/equivalent	Graduation and above			
6	1	2	3	4	5	6	7
01	6474	67781	26325	4654	422	105656	
02	6981	62632	18647	2955	360	91575	
03	6549	43641	8159	872	242	59463	
04	4738	22039	2164	220	111	29272	
05	3396	12438	736	61	66	16697	
06	2650	7594	346	22	44	10656	
07	1770	4466	131	11	24	6402	
08	1076	2632	66	6	13	3793	
09	547	1394	29	5	12	1987	
10	320	809	33	6	8	1176	
11 & above	131	439	10	2	-	582	
Not stated	162	1136	296	43	34	1671	
Total	34794	227001	56942	8857	1336	328930	

Table 10 - Live-births according to order of birth and literacy of father for the state - urban 1983

Order of birth	Illiterate	Literate			Total
		Below matriculation	Matriculation higher secondary/equivalent	Graduation and above	
1	2	3	4	5	6
01	3666	42610	31184	8598	86058
02	3112	35577	18958	5482	63129
03	2406	26274	9051	1683	39414
04	1445	10223	2101	306	14075
05	853	4448	679	106	6086
06	698	2269	200	23	3190
07	386	1252	85	12	1735
08	215	826	52	6	1099
09	127	379	35	2	543
10	103	269	17	2	391
11 & above	31	70	7	-	108
Not stated	107	450	383	134	1074
Total	13149	124647	62752	16354	216902

Table 11 - Live-births according to order of birth and occupation of father for the State - rural 1983

Order of birth	Occupation of father											Total
	1	2	3	4	5	6	7	8	9	10	11	
	Professional, technical & related workers	Administrative executive managerial workers	Clerical workers	Sales workers	Service workers	Farmers fisherman, hunters, loggers etc. & related workers	Production & other related workers, transport equipment operators & labourers	Cultivators, agricultural labourers & others	Non-work-ers			
01	9263	896	2760	10599	5425	10281	52179	9111	5142		105656	
02	6479	514	1804	8347	4671	9831	48570	6845	4514		91575	
03	3357	201	735	5372	2346	6487	34100	3993	2872		59463	
04	1273	85	198	3049	984	3038	17533	1523	1589		29272	
05	635	39	62	1822	511	1625	10273	763	967		16697	
06	399	15	28	1252	283	1099	6397	523	660		10656	
07	209	8	8	720	170	699	3855	319	414		6402	
08	128	9	5	484	84	477	2143	198	265		3793	
09	60	2	1	247	36	246	1108	116	171		1987	
10	41	-	5	143	30	169	620	80	88		1176	
above 10	17	2	-	97	15	63	252	47	89		582	
not stated	103	10	28	130	67	156	943	133	101		1671	
Total	21964	1781	5634	32262	14622	34171	177973	23651	16872		328930	

Table 12 - Live-births according to order of birth and occupation of father for the State - urban 1983

Order of birth	1	2	3	4	5	6	7	8	9	10	11
	Professional, technical & related workers	Administrative executive managerial workers	Clerical workers	Sales workers	Service workers	Farmers fisherman, hunters, loggers etc. & related workers	Production & other related workers, transport equipment operators & labourers	Cultivators, agricultural labourers & others	Non-work-ers	Total	
01	6725	3197	3673	9182	4697	5382	44738	3515	4949	86058	
02	4713	1928	2494	6260	3525	3800	34666	2295	3448	63129	
03	2102	911	1051	3594	1832	2636	24046	1255	1987	39414	
04	558	325	236	1470	430	1055	8978	336	687	14075	
05	185	200	72	693	140	498	3815	143	340	6086	
06	69	148	28	369	34	293	1974	96	179	3190	
07	48	87	15	228	17	173	1029	45	93	1735	
08	21	57	8	136	6	118	679	29	45	1099	
09	12	25	7	61	8	76	306	6	42	543	
10	11	18	2	53	4	42	230	6	25	391	
11 & above	1	15	2	13	2	10	56	8	1	108	
Not stated	64	22	56	162	37	50	541	94	48	1074	
Total	14509	6933	7644	22221	10732	14133	121058	7828	11844	216902	

Table 13 - Live-birth by age of mother and order of births for Kerala State (rural) 1983

Age of mother	Total births	Order of birth													
		01	02	03	04	05	06	07	08	09	10	11	12	13	14
Below 15 years	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 - 19	37735	30903	5811	712	167	25	6	5	-	-	-	-	4	-	102
20 - 24	136617	56677	51065	21992	4917	1035	226	90	38	24	30	8	8	511	511
25 - 29	93493	14999	27720	26884	14251	6222	2152	602	225	61	17	6	6	354	354
30 - 34	56355	2426	5698	7750	7013	5806	4004	2124	854	374	116	32	32	158	158
35 - 39	19918	542	1098	1914	2645	3164	3666	2998	1999	1021	595	215	215	61	61
40 - 44	3343	56	116	160	201	367	493	469	521	384	332	224	224	20	20
45 & above	858	7	34	35	66	64	106	109	150	121	74	80	80	12	12
N.R.	598	29	33	16	12	14	3	5	6	2	12	13	13	453	453
Total	328930	105656	91575	59463	29272	16697	10656	6402	3793	1987	1176	582	582	1671	1671

Table 14 - Live-births by age of mother and order of births for Kerala State (urban) 1983

Age of mother	Total births	order of birth													
		01	02	03	04	05	06	07	08	09	10	11 & above	NR		
Below 15 years	19	-	-	-	-	-	-	-	-	-	-	-	-	-	
15 - 19	23019	19832	2832	270	-	-	-	-	-	-	-	-	-	85	
20 - 24	94065	45028	30761	14173	3031	586	94	27	5	3	-	-	-	357	
25 - 29	68627	17269	22359	18310	6700	2391	910	266	103	26	14	3	3	276	
30 - 34	22153	3107	6076	5322	3200	1939	1191	654	327	148	61	15	15	113	
35 - 39	7531	646	950	1225	1010	1053	890	658	517	267	227	46	46	42	
40 - 44	925	67	83	67	103	102	86	111	117	75	71	30	30	13	
45 & above	175	4	3	7	11	11	13	18	29	24	18	12	12	25	
N.R.	388	86	65	40	20	4	6	1	1	-	-	2	2	163	
Total	216902	86058	63129	39414	14075	6086	3190	1735	1099	543	391	108	108	1074	

Table 15 - Birth according to age group of mother in municipalities and city corporations

Municipalities/ corporations	Age group									Total	
	below 15 yrs	15-19	20-24	25-29	30-34	35-39	40-44	45 & above	NR		
1	2	3	4	5	6	7	8	9	10	11	
1. Trivandrum corp.	-	2348	12124	8821	2755	641	54	6	28	26777	
2. Nedumangad	-	300	1613	881	167	40	3	2	11	3017	
3. Varkala	-	363	1339	993	284	88	13	-	-	3080	
4. Neyyattinkara	-	206	1424	1065	224	57	3	-	2	2981	
5. Attingal	-	208	825	429	136	17	2	-	5	1622	
6. Quilon	-	1076	5800	4219	1041	302	41	7	148	12634	
7. Punalur	-	321	1346	785	236	65	8	3	-	2764	
8. Pathanamthitta	-	174	1336	1159	331	81	9	-	10	3100	
9. Thiruvalla	-	65	1305	1267	376	87	4	1	10	3115	
10. Alleppey	-	550	3167	2505	785	219	18	-	2	7246	
11. Shertallai	-	132	994	872	304	55	9	2	2	2370	
12. Mavelikkara	-	188	1186	889	260	70	7	-	-	2600	
13. Kayamkulam	-	323	1569	1126	261	73	4	2	2	3360	
14. Chengannur	-	58	287	281	63	24	-	1	-	714	
15. Kottayam	-	213	1916	1699	505	90	4	1	-	4428	
16. Changanacherry	-	179	1099	793	227	61	8	1	2	2370	
17. Vaikom	-	85	878	781	210	57	8	2	-	2021	
18. Palai	-	105	833	1168	351	103	19	4	1	2584	
19. Thodupuzha	-	132	1803	1380	456	186	19	3	-	3979	
20. Cochin corp.	-	1170	6139	5511	1899	504	42	8	23	15236	
21. Trippunithura	-	134	932	821	278	54	5	-	6	2230	
22. Kothamangalam	-	297	1668	1357	379	108	14	3	-	3826	
23. Alwaye	-	426	2214	1323	384	131	14	4	4	4500	
24. Parur	-	141	1176	1214	291	83	10	1	-	2916	
25. Angamali	-	80	1030	908	170	46	13	3	-	2250	
26. Perumbavur	-	168	1163	672	186	68	8	-	-	2265	
27. Muvattupuzha	-	245	1048	765	229	86	12	1	-	2386	
28. Trichur	-	1023	5886	4385	1294	322	43	2	37	12992	
29. Chalakudy	-	127	1151	868	243	70	4	3	5	2471	
30. Chavakkad	-	189	589	447	178	98	9	-	-	1510	
31. Irinjalakkuda	-	107	891	687	205	67	14	-	6	1977	
32. Kunnankulam	-	331	1101	767	315	119	13	3	-	2649	
33. Guruvayur tn.shp.	-	1	16	11	3	3	-	-	-	34	
34. Kodungallur	-	329	1864	1237	356	114	5	2	-	3907	
35. Palghat	3	936	2671	2129	752	376	66	21	39	6993	
36. Shornur	-	72	217	133	47	21	10	2	-	502	
37. Chittur- thathamangalam	-	161	496	322	134	72	13	-	-	1198	
38. Malappuram	-	540	786	508	301	190	39	5	-	2369	
39. Manjeri	-	1042	1775	1158	487	332	47	9	-	4850	
40. Ponnani	-	320	760	419	269	140	13	3	-	1924	
41. Tirur	-	768	1328	844	460	296	40	17	-	3753	
42. Calicut corpn.	13	3156	9235	5505	2089	805	120	21	35	20979	
43. Badagara	3	1540	2929	1457	527	277	43	9	8	6793	
44. Cannanore	-	490	1426	890	360	165	22	11	-	3364	
45. Tellicherry	-	1425	3239	2092	876	384	43	6	2	8067	
46. Kasargod	-	775	1491	1084	529	284	30	6	-	4199	
Total		19	23019	94065	68627	22153	7531	925	175	388	216902

Table 16 - Live-births by religion in city corporations and municipalities

Municipalities	Hindu	Muslim	Christian	Others	Total
1	2	3	4	5	6
1. Trivandrum corp.	20449	3265	3063	-	26777
2. Nedumangad	2061	649	307	-	3017
3. Varkala	2289	761	30	-	3080
4. Neyyattinkara	1830	136	1015	-	2981
5. Attingal	1073	536	13	-	1622
6. Quilon	7975	2602	2057	-	12634
7. Punalur	1718	451	595	-	2764
8. Pathanamthitta	1789	221	1090	-	3100
9. Thiruvalla	1462	30	1623	-	3115
10. Alleppey	4100	1439	1707	-	7246
11. Shertallai	1979	63	328	-	2370
12. Mavelikkara	2034	67	499	-	2600
13. Kayamkulam	2362	785	213	-	3360
14. Chengannur	510	10	194	-	714
15. Kottayam	2337	236	1855	-	4428
16. Changanacherry	1425	168	777	-	2370
17. Vaikom	1771	64	186	-	2021
18. Palai	1177	20	1387	-	2584
19. Thodupuzha	1428	611	1940	-	3979
20. Cochin corp.	6391	2961	5864	20	15236
21. Trippunithura	1672	52	506	-	2230
22. Kothamangalam	1272	730	1824	-	3826
23. Alwaye	1961	1740	798	1	4500
24. Parur	2160	249	507	-	2916
25. Angamali	497	10	1743	-	2250
26. Perumbavur	1051	578	636	-	2265
27. Muvattupuzha	1060	692	634	-	2386
28. Trichur	7584	964	4444	-	12992
29. Chalakudy	1076	111	1284	-	2471
30. Chavakkad	647	815	48	-	1510
31. Irinjalakkuda	1493	146	338	-	1977
32. Kunnankulam	1662	724	263	-	2649
33. Guruvayur tn.sp.	19	11	4	-	34
34. Kodungallur	2635	1076	196	-	3907
35. Palghat	5348	1508	137	-	6993
36. Shornur	411	85	6	-	502
37. Chittur- thathamangalam	1077	114	7	-	1198
38. Malappuram	588	1766	15	-	2369
39. Manjeri	1930	2783	137	-	4850
40. Ponnani	829	1095	-	-	1924
41. Tirur	1571	2166	16	-	3753
42. Calicut corpn.	12151	8038	782	8	20979
43. Badagara	4091	2674	28	-	6793
44. Cannanore	1417	1872	75	-	3364
45. Tellicherry	4639	3301	127	-	8067
46. Kasargod	1954	2171	74	-	4199

Table 17 - Live births by religion

District	Rural/ Urban	Total births	Hindus	Muslims	Christians	Others
1	2	3	4	5	6	7
Trivandrum	Rural	14133	8923	1674	3510	26
	Urban	37477	27702	5346	4429	-
	Total	51610	36625	7020	7939	26
Quilon	Rural	25072	15632	4818	4586	43
	Urban	15398	9693	3053	2652	-
	Total	40477	25325	7871	7238	43
Alleppey	Rural	14596	10062	1227	3281	26
	Urban	16290	10985	2364	2941	-
	Total	30886	21047	3591	6222	26
Kottayam	Rural	21138	9132	1518	10444	44
	Urban	11403	6710	488	2405	-
	Total	32541	15842	2006	14649	44
Idukki	Rural	11915	6223	691	4986	15
	Urban	3979	1428	611	1940	-
	Total	15894	7651	1302	6926	15
Pathanamthitta	Rural	10827	5949	540	4305	33
	Urban	6215	3251	251	2713	-
	Total	17042	9200	791	7018	33
Ernakulam	Rural	14603	6318	1254	7010	21
	Urban	35609	16064	7012	12512	21
	Total	50212	22382	8266	19522	42
Trichur	Rural	26049	14779	6500	4758	12
	Urban	25540	15116	3847	6577	-
	Total	51589	29895	10347	11335	12
Palghat	Rural	42459	27687	13362	1353	57
	Urban	8693	6836	1707	150	-
	Total	51152	34523	15069	1503	57
Malappuram	Rural	62450	14728	46734	958	30
	Urban	12896	4918	7810	168	-
	Total	75346	19646	54544	1126	30
Kozhikode	Rural	24659	12061	11654	920	24
	Urban	27772	16242	10712	810	8
	Total	52431	28303	22366	1730	32
Wayanad	Rural	11755	5143	3799	2802	11
	Urban	-	-	-	-	-
	Total	11755	5143	3799	2802	11
Cannanore	Rural	49267	27565	16888	4771	43
	Urban	15630	8010	7344	276	-
	Total	64897	35575	24232	5047	43
State	Rural	328930	164202	110659	53684	385
	Urban	216902	126955	50545	39373	29
	Total	545832	291157	161204	93057	414

Table 18 - Month-wise distribution of live-births (Rural/Urban) 1983

Rural/ Urban	Total	Janu- ary	Febru- ary	March	April	May	June	July	August	Septe- mber	Octo- ber	Novo- mber	Dece- mber
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Total	545832	45785	42742	49376	49808	48767	44251	46357	37270	40289	46720	47906	46561
Rural	328930	27674	25974	30583	30285	31039	25021	28715	20779	23076	28728	28784	28272
Urban	216902	18111	16768	18793	19523	17728	19230	17642	16491	17213	17992	19122	18289

Table 19 - Sex ratio of births (rural/urban) district-wise

District	Rural Urban	Live births		Sex-ratio
		Male	Female	
1	2	3	4	5
Trivandrum	Rural	7227	6906	956
	Urban	19159	18318	956
	Total	26386	25224	956
Quilon	Rural	12844	12235	953
	Urban	7974	7424	931
	Total	20818	19659	944
Pathanamthitta	Rural	5566	5261	945
	Urban	3085	3130	1015
	Total	8651	8391	970
Alleppey	Rural	7497	7099	947
	Urban	8334	7956	955
	Total	15831	15055	951
Kottayam	Rural	10842	10296	950
	Urban	5818	5585	960
	Total	16660	15881	953
Idukki	Rural	6168	5747	932
	Urban	2076	1903	917
	Total	8244	7650	928
Ernakulam	Rural	7565	7038	930
	Urban	18218	17391	955
	Total	25783	24429	948

(contd.)

(Table 19 contd)

1	2	3	4	5
Trichur	Rural	13355	12694	951
	Urban	13099	12441	950
	Total	26454	25135	950
Palghat	Rural	21614	20845	964
	Urban	4537	4156	916
	Total	26151	25001	956
Malappuram	Rural	32331	30119	932
	Urban	6658	6238	937
	Total	38989	36357	933
Kozhikode	Rural	12593	12066	958
	Urban	14535	13237	911
	Total	27128	25303	933
Wayanad	Rural	6027	5728	950
	Urban	-	-	-
	Total	6027	5728	950
Cannanore	Rural	25365	23902	942
	Urban	7950	7680	966
	Total	33315	31582	948
State	Rural	168994	159936	946
	Urban	111443	105459	946
	Total	280437	265395	946

Table 20 - Month-wise distribution of deaths (rural/urban) 1983

Rural urban	Total	Janu- ary	Febru- ary	March	April	May	June	July	August	Sept- ember	Octo- ber	Nove- mber	Dece- mber
1	2	3	4	5	6	7	8	9	10	11	12	13	14
State	119414	9744	8611	9730	9195	9726	8099	11243	9659	10714	12269	10447	9977
Rural	82442	6867	5942	6723	6353	6719	5265	7822	6312	7291	8856	7360	6932
Urban	36972	2877	2669	3007	2842	3007	2834	3421	3347	3423	3413	3087	3045

Table 21 - Deaths by age and sex - 1983

Age group	Total			Rural			Urban		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
	2	3	4	5	6	7	8	9	10
Below 1 year	4959	3700	8659	2135	1590	3725	2824	2110	4934
1 - 4 years	2551	2517	5068	1399	1386	2785	1152	1131	2283
5 - 14 "	1877	1715	3592	946	906	1852	931	809	1740
15 - 24 "	2446	2134	4580	1380	1229	2609	1066	905	1971
25 - 34 "	2922	1962	4884	1729	1127	2856	1193	835	2028
35 - 44 "	4536	2125	6661	2638	1281	3919	1898	844	2742
45 - 54 "	8545	3235	11780	5330	2165	7495	3215	1070	4285
55 - 64 "	11625	5119	16744	8002	3568	11570	3623	1551	5174
65 & above	30404	26486	56890	23801	21483	45284	6603	5003	11606
Age not reported	344	212	556	202	145	347	142	67	209
Total	70209	49205	119414	47562	34880	82442	22647	14325	36972

Table 22 - Deaths by religion - 1983

District	Total	Hindus	Muslims	Christians	Others
1	2	3	4	5	6
Trivandrum	11533	8516	969	2018	30
Quilon	8328	6023	927	1354	24
Pathanamthitta	4227	2202	103	1913	9
Alleppey	8958	6393	693	1846	26
Kottayam	8516	4353	310	3687	166
Idukki	2993	2054	160	769	10
Ernakulam	11987	6371	1172	4424	20
Trichur	11382	7521	1404	2439	18
Palghat	12409	10077	2020	281	31
Malappuram	11001	4228	6567	174	32
Kozhikode	12561	8059	3991	489	22
Wayanad	1958	1073	460	413	12
Cannanore	13561	9681	2949	887	44
State	119414	76551	21725	20694	444

Table 23 - Deaths by some specified diseases in towns each with population 30,000 and over

Name of town	Total death	Fever	Dysentery/ Diarrhoea	Respiratory diseases	Pulmonary TB	Tetanus	Diphtheria	Polio	Chicken-pox	Cancer	Leprosy	Typhoid	Pneumonia	Jaundice	Heart diseases	Rheumatic complaints	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1. Trivandrum	6053	21	39	394	96	28	5	3	2	37	-	1	45	5	1082	114	4181
2. Nedumangad	206	-	1	23	7	-	-	-	-	8	-	1	6	-	49	43	68
3. Varkala	121	3	7	14	7	-	-	-	-	6	-	-	2	-	61	12	9
4. Quilon	1839	12	66	83	47	12	-	5	-	49	-	2	65	3	398	58	1039
5. Punalur	322	18	11	41	21	-	-	-	-	11	-	2	4	6	62	117	29
6. Pathanamthitta	252	-	4	16	11	1	-	-	-	6	-	-	10	-	59	43	102
7. Alleppey	1851	43	16	84	25	4	-	-	2	17	-	-	22	7	365	141	1125
8. Kayamkulam	287	8	4	28	15	-	-	-	-	8	-	-	6	1	63	69	85
9. Sherthalai	475	4	10	70	31	-	-	-	-	19	-	-	8	-	89	19	225
10. Kottayam	499	13	13	20	15	-	-	-	-	21	-	5	28	-	61	65	258
11. Changanacherry	258	10	7	27	11	-	-	-	-	8	-	-	8	-	62	40	85
12. Thodupuzha	341	3	-	28	4	-	-	-	-	4	-	-	-	-	21	1	280
13. Cochin	3610	50	91	390	37	6	-	-	-	142	-	7	101	86	549	164	1987
14. Thrissur	240	13	5	29	16	-	-	-	-	9	-	-	-	-	43	22	103
15. Kothamangalam	375	4	1	17	3	-	-	-	-	7	-	-	1	2	70	14	256
16. Trichur	2114	5	36	81	66	39	2	3	-	61	-	-	27	5	362	16	1411
17. Chalakudy	269	1	1	13	13	-	-	-	-	6	-	-	4	-	54	2	175
18. Chavakkadu	208	2	-	16	2	-	-	-	-	10	-	-	4	-	35	12	127
19. Palghat	1643	37	65	26	10	-	-	-	-	53	-	34	67	26	394	81	850
20. Shornur	188	1	-	7	4	-	-	-	-	-	-	-	1	-	11	2	162
21. Chittur	327	20	7	12	9	-	-	-	-	8	-	-	7	1	39	13	211
22. Malappuram	323	10	7	34	12	-	-	-	-	9	-	-	11	-	34	34	172
23. Manjeri	881	27	8	30	28	-	-	-	-	12	-	-	9	-	34	14	719
24. Ponnani	299	5	9	16	19	5	-	-	-	8	-	-	30	-	32	77	98
25. Tirur	500	25	18	28	10	1	-	-	-	11	-	-	4	-	48	45	310
26. Badagara	541	-	3	9	26	-	-	1	-	14	-	-	22	2	83	69	312
27. Kozhikode	6709	49	395	248	208	63	6	11	-	384	8	-	172	6	797	189	4173
28. Cannanore	540	17	30	28	13	1	-	-	-	19	-	-	6	-	86	47	293
29. Tellicherry	996	13	5	62	30	-	-	-	-	16	-	-	5	2	181	36	646
30. Kasaragod	510	6	3	22	33	4	-	-	-	13	-	-	6	1	53	21	348

Table 24 - District-wise infant death by sex - rural/urban

District	Rural/Urban	Male	Female	Total
1	2	3	4	5
Trivandrum	Rural	51	46	97
	Urban	565	429	994
	Total	616	475	1091
Quilon	Rural	165	113	278
	Urban	175	135	310
	Total	340	248	588
Alleppey	Rural	61	46	107
	Urban	197	124	321
	Total	258	170	428
Kottayam	Rural	264	188	452
	Urban	55	34	89
	Total	319	222	541
Idukki	Rural	155	108	263
	Urban	28	22	50
	Total	183	130	313
Ernakulam	Rural	104	66	170
	Urban	331	273	604
	Total	435	339	774
Trichur	Rural	174	112	286
	Urban	260	214	474
	Total	434	326	760
Pathanamthitta	Rural	73	38	111
	Urban	55	35	90
	Total	128	73	201
Palghat	Rural	315	258	573
	Urban	177	122	299
	Total	492	380	872
Malappuram	Rural	265	240	505
	Urban	210	164	374
	Total	475	404	879
Kozhikode	Rural	84	60	144
	Urban	610	423	1033
	Total	694	483	1177
Wayanad	Rural	108	61	169
	Urban	-	-	-
	Total	108	61	169
Cannanore	Rural	316	254	570
	Urban	161	135	296
	Total	477	389	866
State	Rural	2135	1590	3725
	Urban	2824	2110	4934
	Total	4959	3700	8659

Table 25 - Infant deaths in the state by sex and age

Age	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
	2	3	4	5	6	7
Under one week	998	680	1576	1200	2574	1880
7 days to below 1 month	329	249	354	259	683	508
1 month to below 3 months	315	261	311	216	626	477
3 months to below 6 months	198	162	228	176	426	338
6 months to below 12 months	295	238	355	259	650	497
Total	2135	1590	2824	2110	4959	3700

Table 26 - Maternal deaths by age at death

Age at death	Total	Rural	Urban excluding towns with population 30,000 & over	Towns with population 30,000 & over
1	2	3	4	5
Below 15	2	2	-	-
15 - 19	8	7	-	1
20 - 24	24	23	-	1
25 - 29	29	28	-	-
30 - 34	20	20	-	-
35 - 39	17	17	-	2
40 - 44	7	5	-	-
45 - 49	4	4	-	-
50 & above	-	-	-	-
All	111	106	-	5

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Table 1. Mean values of the variables and their standard deviations

Variable	Mean	Standard Deviation
Age	35.2	12.5
Weight	75.8	15.2
Height	178.5	8.7
Heart Rate	72.1	10.3
Blood Pressure	120/80	15/10
Cholesterol	200	40
Glucose	100	15
Hemoglobin	15.5	1.2
Hematocrit	45	3
White Blood Cells	7000	1500
Platelets	250000	50000

Table 2. Distribution of variables among different groups

Group	Variable	Value
Group A	Age	38.5
	Weight	82.1
	Height	180.2
Group B	Age	32.1
	Weight	70.5
	Height	175.8
Group C	Age	30.5
	Weight	68.2
	Height	172.5

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