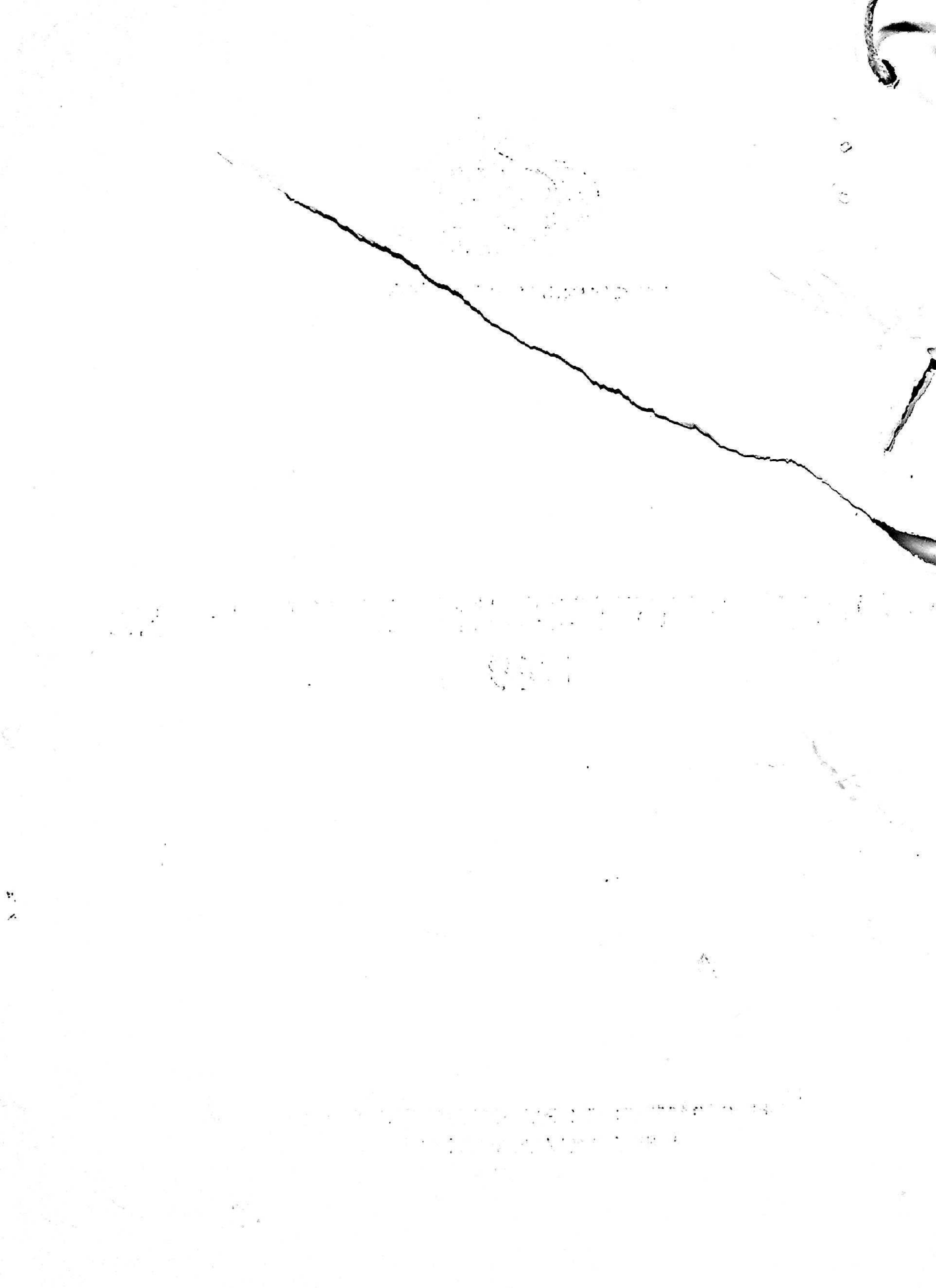


GOVERNMENT OF KERALA

VITAL STATISTICS BULLETIN No. 52  
1988

DEPARTMENT OF ECONOMICS & STATISTICS  
THIRUVANANTHAPURAM

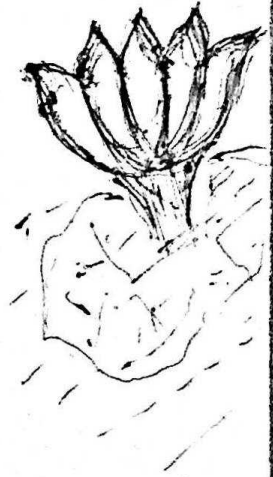
1995



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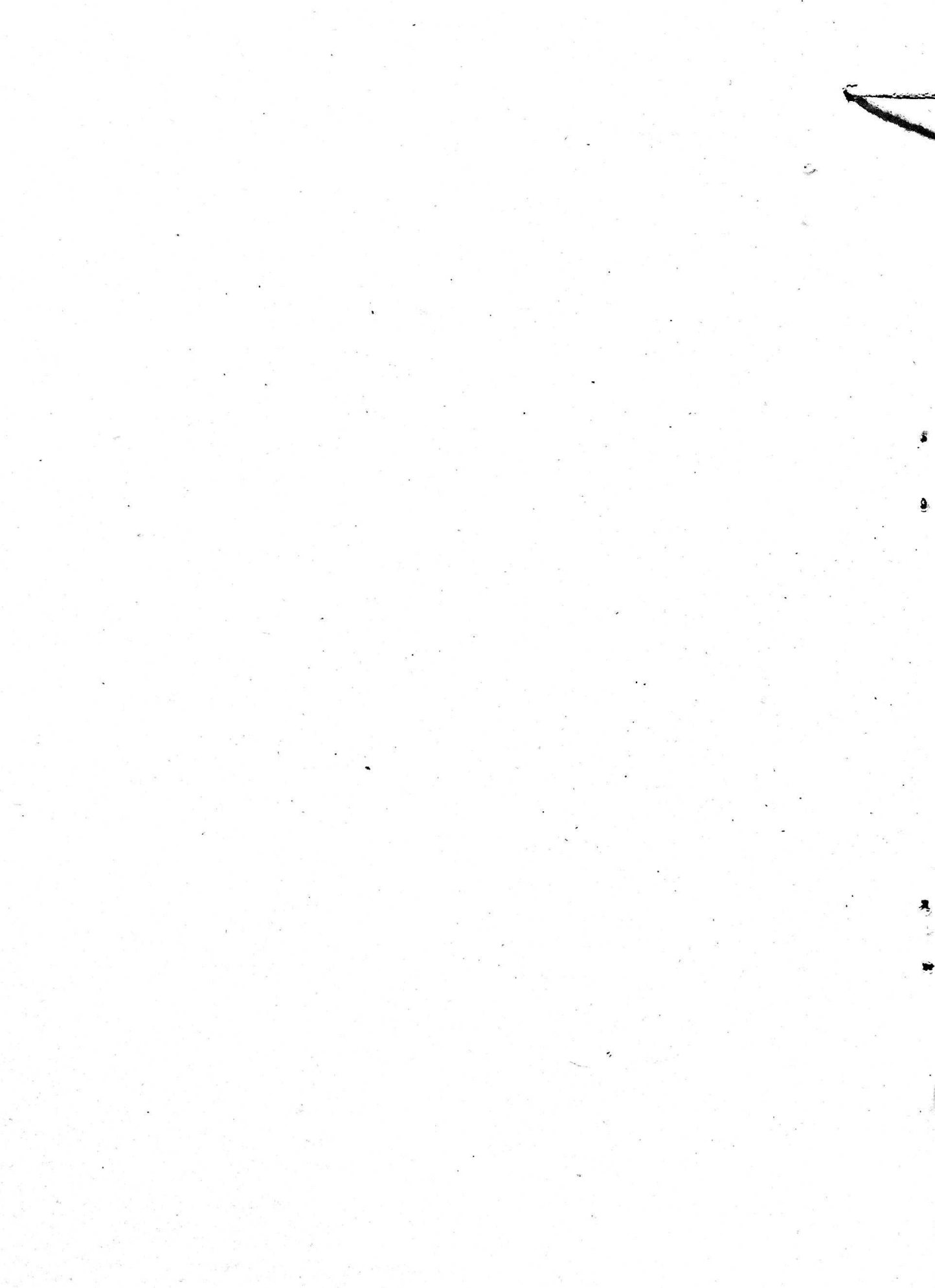
## P R E F A C E

This Bulletin (Fifty second in the series) presents the Vital Statistics of the State for the Calendar year 1988. The data relating to Vital events received from the registering authorities are processed and the vital rates estimated.

This bulletin has been prepared by the Vital Statistics Unit of this Directorate.

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Dept. of Economics & Statistics

Thiruvananthapuram,  
05..12..1993.



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## VITAL STATISTICS BULLETIN 1988

(1) Introduction : Vital Statistics is the end result of Vital Statistics System. Its uses are many. The importance of Vital Statistics in the field of health and family Welfare, especially in maternal and child health programme needs no emphasis. One of the main sources for deriving Vital Statistics is the registration of births and deaths. The registration of births and deaths in the State is governed and controlled by the Department of Panchayats, in accordance with the Birth and Death Act 1969 and rules framed thereunder. According to the provisions contained in the act, the Director of Panchayats is the Chief Registrar of births & deaths in the State and Additional Director of Economics & Statistics, the Additional Chief Registrar. For rural and Urban areas there are separate registering authorities appointed for the registration of births and deaths. The Executive Officers of Panchayats, the Health Officers in city corporations and senior Health Inspectors in the Municipalities are the local registrars. There are provisions in the act and rules for the effective registration of vital events as well as for the collection, scrutiny, tabulation and analysis of the vital statistics. The data received from the registering authorities are scrutinised, classified and tabulated by the Vital Statistics Units of the Directorate of Economics & Statistics. This bulletin presents the Vital Statistics for the Calendar year 1988.

(2) Source of Data : As per the provisions in the Birth and Death Registration Act, it is the duty of the local registrars to register all births and deaths reported by the informants. The births are to be reported within 14 days and deaths within 7 days immediately after the occurrence of the events. The relevant details recorded in the Birth and Death registers are transcribed to the birth, death, still birth cards prescribed (by the Directorate of Economics and Statistics) and furnished to Directorate periodically for further processing and analysis.

(3) Limitation of Data : It is a fact that registered vital events are less than the actual events occurred because of under-registration and incomplete coverage. This may be due to the fact that people are not aware of the importance of the registration of birth and death till now. Moreover it is seen that registered vital rates are higher in urban areas than in the rural areas. This may be due to the fact that registration is defacto. Better medical facilities in the urban areas utilised by the rural folks is another contributing factor. In certain cases the informants may not be aware of the morbid conditions or injuries or other circumstances leading to death. The causes of death reported by the informants may include those reported by laymen also. This is another limiting factor.

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(4) Processing of data : The data contained in about 5.74 lakhs birth cards and 1.47 death cards for the year 1988 received in the directorate are processed for further analysis.

(5) Vital Rates : The data available from the events reported are used for arriving at the following vital rates.

- i. Crude Birth Rate
- ii. Crude Death Rate
- iii. Infant Death Rate
- iv. Maternal Death Rate
- v. Still Birth Rate

i. Crude Birth Rate: Crude Birth Rate is the number of live births per thousand population.

ii. Crude Death Rate: Crude Death Rate is the number of deaths per thousand population.

iii. Infant Death Rate : Infant Death Rate is the number of such deaths to infants (below one year) per thousand live births per year.

iv. Maternal Death Rate : Maternal Death Rate is the number of such deaths per thousand live and still births.

v. Still Birth Rate : Still birth rate is the number of such birth per thousand births including still births.

(6) Birth and Birth Rates of the State for the year 1988 : Out of the total of 5.74 lakhs cards received 3.27 lakhs were from rural and the remaining 2.47 lakhs cards were from urban areas. The registered birth rate of the State estimated during 1988 was 19.80 as against 20.01 for the previous year. The urban and rural break-up of birth rate during the year under report was 65.68 and 12.96 respectively as against the corresponding rates of 65.60 and 13.19

during the previous year. The district-wise break-up of birth and death rates with rural and urban break-up are shown in table I. As in the previous year, Malappuram recorded the highest birth rate (29.45) during the year under report also. Moreover birth rate increased slightly in Malappuram district during the year when compared to the previous year. The other districts which recorded birth rate above state average were Kasaragod (22.46), Kozhikode (21.64), Kannur (21.31), Wayanad (21.20) and Palakkad (21.10). Alappuzha district recorded the lowest birth rate (13.97) during the year under report. Another interesting factor is that in northern districts, birth rate was above State average, while in southern districts, the same was below state average. Moreover in 50% of the districts in the state, there was a slight decrease in birth rate when compared to the previous year.

(7) Death and death rates for the year 1988 : Number of death cards received during the year under report for analysis were 1.47 lakhs with urban and rural break-up of 0.43 lakhs and 1.04 lakhs respectively. The death rate calculated for the year 1988 was 5.05 as against 4.95 in the previous year. The urban and rural break-up of death rate was 11.31 and 4.12 respectively. When compared to the previous year, there was a slight increase in death rate. As in the case of birth rate, death rate was also higher in urban areas. Kozhikode district recorded the highest death rate (6.25) followed by Palakkad (5.62). As in the previous year the lowest death rate recorded during the year under report was Idukki (3.45). The other districts recorded death rates above state average were, Thiruvananthapuram (5.54), Kottayam (5.34), Trissur (5.44), Kannur (5.17) and Kasaragod (5.12).

(8) Infant Death rate for the year 1988 : The number of infant deaths registered during the year under report was 7192 and the infant death rate of the state calculated was 12.52 with rural and urban break-up of 7.28 and 19.46 respectively. When compared to the previous year, there was a slight fall in the infant mortality rate in the year under report. Out of 7192 infant death registered in the state, 1658 cases were in kozhikode district and infant death rate was also highest in Kozhikode (29.94). Thiruvananthapuram (14.46) and Alappuzha (13.33) occupied second and third places respectively.





(9) Maternal Death Rate : The number of maternal death registered in the state as a whole was 57 of which 40 were from rural and 17 from urban population. The maternal death rate in the state worked out to be 0.10 during the year under report as against 0.12 in the previous year.

(10) Still Birth rate : Number of still births registered in the state during the year 1988 was 3249 as against 3694 during the previous year. Their urban and rural break-up was 2470 and 779 respectively. As in the previous year the share of kozhikode district was highest (796). Still birth rate in the state worked out to 5.63 with urban and rural break-up of 9.89 and 2.38 respectively. There was a fall in still birth rate when compared to the previous year (6.44).

(11) Conclusion : When compared to 1987, all vital rates except death rate decreased during the year under report. It is seen that birth rate recorded was above state average in the northern districts of Kerala, while it was below the state average in the southern districts. Moreover birth rate in urban areas was much higher than in rural areas. This may be due to the fact that the registration is defacto and that the better medical facilities available in urban areas are more utilised by the people in rural areas. During the year under report Malappuram stood first as regards to birth rate and Kozhikode in the case of death rate as in previous year.

Even though the registration of births and deaths is compulsory, and earnest efforts have been made to make the people aware of the importance of registration of births and deaths, under-registration still exists, as revealed from the results of Sample Registration Survey. Therefore efforts are to be made to make the people aware of the importance of registration of births and deaths through various media and other publicity measures.



Table 1

Total number of Live Births, Deaths, Still births, Infant deaths  
and Maternal Deaths and the Rates - 1988

District	Rural/ Urban	Estimated Mid Year Population (000's)	Live Births				Deaths	
			Number	Rate		Number	Rate	
				1988	1987		1988	1987
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Thiruvananthapuram	Rural	2264	14288	6.31	6.89	8528	3.77	3.35
	Urban	695	41870	60.24	60.78	7873	11.33	11.35
	Total	2959	56158	18.98	19.57	16401	5.54	5.23
Kollam	Rural	2304	26706	11.59	11.84	8191	3.56	4.38
	Urban	196	15466	78.91	79.63	2261	11.54	10.64
	Total	2500	42172	16.87	17.19	10452	4.18	4.88
Pathanamthitta	Rural	1194	13757	11.52	12.90	5199	4.35	4.46
	Urban	68	9495	139.63	120.73	1104	16.24	15.08
	Total	1262	23252	18.42	18.72	6303	4.99	5.83
Alapuzha	Rural	1785	11476	6.43	7.06	7285	4.08	4.14
	Urban	341	18229	53.46	52.61	3423	10.04	9.82
	Total	2126	29705	13.97	14.43	10708	5.04	5.06
Kottavam	Rural	1768	22664	12.82	12.24	8983	5.08	4.69
	Urban	167	10805	64.70	62.75	1342	8.04	9.73
	Total	1935	33469	17.30	16.66	10325	5.34	4.96
Idukkv	Rural	1052	13424	12.76	12.61	3419	30.25	3.13
	Urban	53	4305	81.23	85.20	394	7.43	6.88
	Total	1105	17729	16.04	15.95	3813	3.45	3.31
Ernakulam	Rural	2088	11419	5.47	6.29	7382	3.54	3.61
	Urban	801	38611	48.20	48.33	6826	8.52	8.40
	Total	2889	50030	17.32	17.97	14208	4.92	4.94
Trissur	Rural	2521	30897	12.26	12.94	11297	4.48	4.29
	Urban	260	23088	88.80	97.73	3817	14.68	15.47
	Total	2781	53985	19.41	20.95	15116	5.44	5.33

Contd...

Table I Contd....

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Palakkad	Rural	2137	38707	18.11	16.32	11856	5.17	4.62
	Urban	194	18466	53.95	54.46	2841	18.52	18.91
	Total	2331	49173	21.10	19.51	13897	5.62	5.14
Malapouram	Rural	2527	65001	25.72	25.11	9477	3.75	3.68
	Urban	211	15636	74.10	75.84	1747	8.28	9.20
	Total	2738	80637	29.45	25.99	11224	4.10	4.10
Kozhikode	Rural	2848	24570	12.84	12.75	7682	3.77	3.74
	Urban	519	30814	59.37	68.57	8398	16.81	15.16
	Total	2559	35384	21.64	22.45	15980	6.25	6.85
Wananad	Rural	632	13399	21.20	21.23	2581	3.96	4.27
	Urban							
	Total	632	13399	21.20	21.23	2581	3.96	4.27
Kannur	Rural	2848	28942	14.13	14.94	9834	4.41	4.14
	Urban	152	17929	117.95	102.15	2334	15.36	18.98
	Total	2200	46871	21.31	21.83	11368	5.17	4.61
Kasaragode	Rural	888	11839	13.33	14.78	3971	4.47	4.86
	Urban	187	18589	98.21	96.82	1119	18.46	9.35
	Total	995	22348	22.46	23.43	5090	5.12	4.89
STATE	Rural	25248	327889	12.96	13.19	104807	4.12	4.85
	Urban	3764	247223	65.68	65.68	42589	11.31	18.98
	Total	29012	574312	19.88	28.81	146596	5.85	4.95



(Table I Contd....)

District	Rural/ Urban	Still Births			Infant Death			Maternal Death		
		Number	Rate		Number	Rate		Number	Rate	
			1988	1987		1988	1987		1988	1987
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Thiruvananthapuram	Rural	6	0.42	0.91	79	5.53	7.19	✓	✓	1.24
	Urban	75	1.79	3.31	733	17.51	20.54			0.02
	Total	81	1.44	2.67	812	14.46	16.95			0.35
Kollam	Rural	100	3.73	5.83	174	6.52	7.77	1	0.04	0.11
	Urban	79	5.09	7.84	246	15.91	16.83	2	0.13	0.13
	Total	179	4.23	6.56	420	9.96	11.08	3	0.07	0.12
Pathanamthitta	Rural	24	1.74	1.32	96	6.98	5.75			0.07
	Urban	60	6.28	6.88	98	10.32	11.75	1	0.11	
	Total	84	3.60	3.26	194	8.34	7.74	1	0.04	0.04
Alapuzha	Rural	104	5.67	3.53	343	18.02	15.41			0.11
	Urban	20	1.74	1.86	53	4.62	9.42			
	Total	124	4.16	2.85	396	13.33	12.54			0.07
Kottavam	Rural	60	2.64	0.24	329	14.52	11.16	4	0.18	0.19
	Urban	61	5.61	8.38	72	6.66	0.45			0.10
	Total	121	3.60	2.93	401	11.98	10.27	4	0.12	0.16
Idukkv	Rural	40	2.97		168	12.51	16.01			1.00
	Urban	35	8.06	6.49	32	7.43	10.09	1	0.23	
	Total	75	4.21		200	11.20	14.56	1	0.06	0.75
Ernakulam	Rural	49	4.27	4.71	129	11.30	12.49			
	Urban	312	8.02	8.73	490	12.66	16.28			
	Total	361	7.16	7.72	618	12.35	15.33			
Trissur	Rural	64	2.07	1.22	175	5.66	7.34			0.06
	Urban	268	11.47	10.98	390	16.89	13.00	7	0.30	0.08
	Total	332	6.11	5.54	565	10.47	10.11	7	0.13	0.07

Table I Contd....

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Palakkad	Rural	89	2.29	6.79	274	7.88	9.62	5	0.15	0.06
	Urban	130	12.29	22.16	222	21.21	28.21			0.37
	Total	219	4.43	10.43	496	10.09	13.97	6	0.12	0.13
Malappuram	Rural	135	2.97	2.62	364	5.60	5.24	7	0.11	0.05
	Urban	202	17.75	16.62	258	16.50	16.26	6	0.38	
	Total	337	4.16	5.46	622	7.71	7.45	13	0.16	0.04
Kozhikode	Rural	28	1.14	0.04	82	3.34	3.91	1	0.04	
	Urban	768	24.32	25.03	1575	51.11	43.22			0.06
	Total	796	14.17	13.87	1658	29.94	25.42	1	0.02	0.03
Wananad	Rural	85	6.30	8.43	163	12.17	15.55			0.15
	Urban									
	Total	85	6.30	8.43	163	12.17	15.55			0.15
Kannur	Rural	58	2.00	3.29	223	7.71	7.52	4	0.14	0.17
	Urban	191	10.54	9.95	218	12.16	12.58			
	Total	249	5.28	5.56	441	9.41	9.24	4	0.09	0.11
Kasaragode	Rural	21	1.77	1.32	72	6.00	9.76	17	1.43	0.15
	Urban	185	17.30	18.29	134	12.75	16.02			
	Total	206	9.13	8.79	206	9.22	12.49	17	0.76	0.09
STATE	Rural	779	2.38	2.89	2382	7.28	8.15	40	0.12	0.17
	Urban	2470	9.89	11.17	4810	19.46	19.81	17	0.07	0.06
	Total	3249	5.63	6.44	7192	12.52	13.13	57	0.10	0.12

Table - 2

1981 Census Population of Districts Rural, Urban and Sex-wise ('000)

Sl.No.	Name of Districts	Population					Population not under registration				Population of Towns with 30000 and above	
		Total	Rural		Urban		Rural		Urban		Male	Female
			Male	Female	Male	Female	Male	Female	Male	Female		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1.	Thiruvananthapuram	2596	972	1885	387	312					387	312
2.	Kollam	2193	978	999	187	189					187	189
3.	Pathanamthitta	1188	589	537	38	32					38	32
4.	Alappuzha	1866	754	789	159	164					134	137
5.	Kottayam	1697	769	769	79	88					58	58
6.	Idukki	969	475	458	18	18					18	18
7.	Ernakulam	2535	989	988	368	358					311	387
8.	Thrissur	2448	1045	1149	117	129					74	88
9.	Palakkad	2844	987	968	87	98					87	98
10.	Malappuram	2483	1883	1142	88	98					88	98
11.	Kozhikode	2245	883	984	228	238					228	238
12.	Wananad	554	284	278								
13.	Kannur	1931	878	912	69	72					67	69
14.	Kasaragod	873	388	396	44	45					44	45
	STATE	25454	10834	11198	1693	1729					1553	1577

Table - 3

Total Number of Live Births, Deaths, Still Births, Infant Deaths and Maternal Deaths  
in Corporations and Municipalities having a Population of 30000 and above

Sl.No.	Corporation/ Municipality	Births			Deaths			Still Births	Infant Deaths	Maternal Deaths
		Total	Male	Female	Total	Male	Female			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Thiruvananthapuram Corp.	32076	15968	16108	7031	3046	3185	40	602	
2.	Nedumangad Muni.	2454	1209	1245	251	165	86		11	
3.	Attingal Muni.	736	367	369	102	53	49	5	2	
4.	Varkala Muni.	2960	1513	1447	209	126	83	7	3	
5.	Neyyattinkara Muni.	3644	1976	1668	280	136	144	15	35	
6.	Kollam Muni.	12439	6596	5849	1025	1043	702	45	229	2
7.	Punalur Muni.	2076	1341	1535	304	198	106	32	17	
8.	Paravur Muni.	151	80	71	132	71	61	2		
9.	Pathanamthitta Muni.	3461	1760	1701	320	200	120	32	25	
10.	Thiruvalla Muni.	6034	3271	2763	776	473	303	28	73	1
11.	Kavankulam Muni.	2132	1106	1026	349	215	134	14	17	
12.	Alapuzha Muni.	8359	4341	4018	1962	1212	750	21	239	
13.	Cherthala Muni.	2756	1373	1383	564	346	218	31	54	
14.	Kottavam Muni.	3952	2002	1950	513	290	223	20	21	
15.	Changanacherry Muni.	2656	1344	1312	325	202	123	14	24	
16.	Thodupuzha Muni.	4305	2197	2108	394	239	155	35	32	1
17.	Kochi Corp.	16425	8358	8067	4497	2088	1609	140	296	
18.	Thripounthara Muni.	2458	1233	1225	341	210	131	18	17	
19.	Kothamangalam Muni.	4201	2170	2111	375	206	169	18	34	
20.	Angamali Muni.	2436	1230	1206	410	271	139	16	42	
21.	Trissur Muni.	13250	6558	6692	2223	1348	875	211	275	6
22.	Chalakkudi Muni.	1944	997	947	311	205	106	8	10	
23.	Kodungallur Muni.	2553	1372	1181	327	801	126	8	35	
24.	Chavakkad Muni.	1100	581	519	229	143	86	15	9	
25.	Palakkad Muni.	8196	4196	4000	1494	930	564	97	194	
26.	Shornur Muni.	680	364	316	215	140	75	3	3	
27.	Chittur-Thathamangalam Muni.	1590	800	790	332	191	141	30	25	
28.	Malappuram Muni.	2763	1393	1370	308	101	127	51	77	
29.	Manjeri Muni.	4564	2345	2219	644	392	252	103	83	6
30.	Ponnani Muni.	3142	1597	1545	278	148	130			
31.	Tirur Muni.	5167	2569	2598	517	302	215	40	98	
32.	Kozhikkode Corp.	25908	13163	12745	7791	4093	2098	735	1528	
33.	Vadakara Muni.	4906	2576	2330	517	306	211	33	47	
34.	Kannur Muni.	4638	2407	2231	583	320	263	24	82	
35.	Thalasseri Muni.	10200	5117	5171	1151	605	546	122	116	
36.	Kasaragod Muni.	5716	2829	2887	582	343	239	93	89	
37.	Kanhangad Muni.	4793	2574	2219	537	367	170	92	45	

Table - 4

Total No. of Births, Deaths, Still Births, Infant Deaths in Corporation and Municipalities having a population of 30000 and above - District wise - 1988

Sl.No.	Name of Districts	Birth	Death	Still Births	Infant Deaths	Maternal Deaths
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Thiruvananthapuram	41870	7873	75	733	
2.	Kollam	15466	2261	79	246	2
3.	Pathanamthitta	9495	1104	60	98	1
4.	Alappuzha	13247	2875	66	310	
5.	Kottavam	6608	838	34	45	
6.	Idukki	4305	394	35	32	1
7.	Ernakulam	25600	5623	200	389	
8.	Thrissur	18847	3090	242	329	6
9.	Palakkad	10466	2041	130	222	
10.	Malaapuram	15636	1747	202	258	6
11.	Kozhikode	30814	8308	768	1575	
12.	Wavanad	-	-	-	-	
13.	Kannur	14926	1734	146	198	
14.	Kasaragod	10509	1119	185	134	
STATE		217789	39007	2222	4569	16

Total Number of Vital events and its rates in corporations and Municipalities - 1988

Sl.No.	Corooration/ Municipality	Live Births		Deaths		Still Births		Infant Death		Maternal Deaths		
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
1.	Thiruvananthapuram	Coro.	32076	58.83	7031	12.90	48.00	1.49	682.00	21.26	0	0.00
2.	Nedumangad	Muni.	2454	50.02	251	5.12	0.00	0.00	11.00	4.48	0	0.00
3.	Varkala	Muni.	2960	79.57	289	5.62	7.00	2.36	3.00	1.01	0	
4.	Nevyattinkara	Muni.	3644	116.22	280	8.93	15.00	4.10	35.00	9.60	0	
5.	Attingal	Muni.	736	23.22	102	3.22	5.00	6.75	2.00	2.72	0	
6.	Kollam	Muni.	12439	83.50	1825	12.25	45.00	3.62	229.00	18.41	2	0.16
7.	Punalur	Muni.	2876	61.21	304	6.47	32.00	11.00	17.00	5.91	0	
8.	Paravur	Muni.	151	3.72	132	3.26	2.00	13.07	0.00	0.00	0	
9.	Pathanaathitta	Muni.	3461	94.09	328	8.99	32.00	9.16	25.00	7.22	0	
10.	Thiruvalla	Muni.	6034	110.00	776	14.15	28.00	4.62	73.00	12.10	1	0.16
11.	Alapuzha	Muni.	8359	47.10	1962	11.05	21.00	2.51	239.00	28.59	0	
12.	Cherthala	Muni.	2756	63.39	564	12.97	31.00	11.12	54.00	19.59	0	
13.	Mavelikkara	Muni.	3632	132.96	336	12.30	25.00	6.84	33.00	9.09	0	
14.	Kavankulam	Muni.	2132	31.71	349	5.19	14.00	6.52	17.00	7.97	0	
15.	Chengannur	Muni.	1350	53.51	212	8.40	1.00	1.05	13.00	13.64	0	
16.	Kottavay	Muni.	3952	58.01	513	7.53	0.00	3.12	35.00	13.71	0	
17.	Changanacherry	Muni.	2656	48.64	325	5.95	15.00	13.45	9.00	8.18	0	
18.	Vaikom	Muni.	1147	52.31	216	9.85	97.00	11.70	194.00	23.67	0	
19.	Palai	Muni.	3050	134.53	288	12.70	3.00	4.39	3.00	4.41	0	
20.	Thoduzha	Muni.	4305	81.10	394	7.43	30.00	18.52	25.00	15.72	0	
21.	Cochin	Corp.	16425	28.54	4497	7.81	51.00	18.12	77.00	27.87	0	
22.	Thirupunithura	Muni.	2458	49.48	341	6.86	103.00	22.07	83.00	18.19	6	1.29
23.	Kothamangalam	Muni.	4281	113.75	375	9.96	0.00	0.00	0.00	0.00	0	
24.	Aluva	Muni.	5083	190.93	359	13.70	48.00	9.20	98.00	18.97	0	
25.	N.Paravoor	Muni.	2365	85.16	344	12.37	735.00	27.59	1528.00	58.98	0	
26.	Anganali	Muni.	2436	77.43	410	13.03	33.00	6.68	47.00	9.58	0	
27.	Perumbavoor	Muni.	3137	126.48	285	11.49	24.00	5.15	82.00	17.60	0	
28.	Moovattupuzha	Muni.	2586	89.73	215	7.70	45.00	14.76	20.00	6.66	0	
29.	Trissur	Muni.	13250	167.34	2223	28.08	122.00	11.72	116.00	11.23	0	
30.	Chalakkudy	Muni.	1944	42.83	311	6.85	93.00	16.01	87.00	15.22	0	
31.	Iringalakuda	Muni.	1154	43.36	233	8.75	92.00	18.83	47.00	9.81	0	
32.	Kunnamkulam	Muni.	2134	5.30	320	15.79	13.00	9.54	0.00	0.00	0	
33.	Guruvayoor	Township	953	48.92	174	8.93	20.00	5.04	21.00	5.31	0	
34.	Kodungallur	Muni.	2553	83.82	327	10.74	14.00	5.24	24.00	9.04	0	
35.	Chavakkad	Muni.	1100	28.61	227	5.96	7.00	6.07	11.00	9.59	0	
36.	Palakkad	Muni.	8196	66.02	1494	12.03	20.00	6.51	16.00	5.25	0	
37.	Shoranur	Muni.	608	17.01	215	5.63	35.00	0.06	32.00	7.43	1	0.23
38.	Chittur-Thathamangalam	Muni.	1590	49.88	332	19.41	140.00	8.93	296.00	18.02	0	
39.	Malappuram	Muni.	2763	59.20	308	6.60	18.00	7.27	17.00	6.92	0	
40.	Manjeri	Muni.	4564	69.31	644	9.78	18.00	4.19	34.00	7.94	0	
41.	Ponnani	Muni.	3142	63.21	278	5.59	40.00	7.93	20.00	5.60	0	
42.	Thirur	Muni.	5167	106.62	517	10.67	20.00	12.53	20.00	8.46	0	
43.	Kozhikode	Corp.	25908	58.13	7791	17.40	16.00	6.53	42.00	17.24	0	
44.	Vadakara	Muni.	4906	67.30	517	7.09	15.00	4.76	39.00	12.43	0	
45.	Kannur	Muni.	4638	70.82	583	8.90	27.00	10.66	13.00	5.16	0	
46.	Kannur	Contonmen	3003	542.55	600	100.40	211.00	15.67	275.00	20.75	6	0.45
47.	Thalassery	Muni.	10200	127.05	1151	14.21	0.00	4.10	10.00	5.14	0	
48.	Kasaragode	Muni.	5716	113.63	582	11.57	7.00	6.03	10.00	0.67	1	0.06
49.	Kanhangad	Muni.	4793	84.99	537	9.52	18	8.36	38.00	17.81	0	
		Corp.	4793	84.99	537	9.52	18	8.36	38.00	17.81	0	



Table - 6

Live Births By Type of Attention at Delivery - 1988 (Rural and Urban)

Name of District	Total	Rural			Towns with Population below 30000				Towns with Population above 30000				
		Domiciliary			Domiciliary				Domiciliary				
		Institutional	Physician Nurse and trained midwife	Unqualified midwife	Others	Institutional	Physician Nurse and trained midwife	Unqualified midwife	Others	Institutional	Physician Nurse and trained midwife	Unqualified Midwife	Others
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Thiruvananthapuram	56158	11695	115	650	1828					41748	23	5	94
Kollam	42172	25114	271	873	448					15438	8	2	26
Pathanamthitta	23252	12668	89	485	515					9481			14
Alappuzha	29705	9178	575	433	1298	4988	1	1		13244			3
Kottayam	33469	28783	320	439	1282	4191	3	2	1	6607			1
Idukki	17729	8357	631	674	3762					4268		45	
Ernakulam	50030	8799	589	477	1634	13010	1			25565	1		34
Thrissur	53985	23973	748	678	5498	4201				18158	137	485	67
Palakkad	49173	32330	215	1820	5142				40	18313	14	36	103
Malappuram	80637	48026	458	7459	17058					14692	1	354	589
Kozhikode	55384	19981	443	2245	1981					30523		75	216
Wayanad	13399	11742	189	769	699								
Kannur	46871	25534	276	1615	1517	3001			2	14912			
Kasargod	22348	7539	22	12	4266					18589			14
STATE	574312	257559	4861	17829	46840	29383	5	3	43	215442	184	1005	1158

Table - 7

Live Births according to order of Birth and Literacy of mother  
for the state (Rural) - 1988

Order of Birth	LITERACY					Total
	Illiterate	Below matri- culation	Matriculation Higher secondary and equivalent	Graduation and above	Not reported	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	5574	68284	46210	6672	688	127348
02	6858	66488	38729	3828	566	187653
03	4748	34182	9486	935	319	49518
04	2987	14822	1684	118	135	19666
05	1996	7469	365	17	77	9924
06	1358	4177	188	12	45	5692
07	859	2218	48	2	33	3152
08	576	1344	14		24	1958
09	288	719	11	2	14	1826
10	189	485	6		18	618
11 & above	111	286	2		1	320
N.R	63	129	34	3	1	230
<b>Total</b>	<b>24799</b>	<b>288347</b>	<b>88529</b>	<b>11581</b>	<b>1833</b>	<b>327889</b>

Table - 8

Live Births according to order of Birth and Literacy of mother  
for the state (Urban) - 1988

Order of Birth	LITERACY					Total
	Illiterate	Below matri- culation	Matriculation, Higher secondary and equivalent	Graduation and above	Not reported.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	3336	47198	47000	10000	1730	110232
02	2907	39071	31725	6777	1297	81777
03	1902	21762	11179	1303	545	36691
04	915	7194	1844	188	133	10274
05	564	2828	427	36	60	3915
06	402	1385	120	20	40	1967
07	258	625	62	3	14	962
08	178	414	27	8	15	642
09	81	210	12	2	3	308
10	39	101	10		3	153
11 & above	9	33	2	2		46
N.R	32	124	61	12	27	256
Total	10623	120945	92557	10231	3067	247223

Table - 9

Live Births according to order of Birth and Literacy of Father  
for the state (Rural) - 1988

Order of Birth	LITERACY					Total
	Illiterate	Below matri- culation	Matriculation Higher secondary and equivalent	Graduation and above	Not reported	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	4971	71933	42894	6949	601	127348
02	5088	68993	28401	4713	458	107653
03	3739	35105	9068	1354	244	49510
04	2357	15091	1899	212	107	19666
05	1528	7636	614	76	70	9924
06	967	4422	236	23	44	5692
07	667	2371	83	4	27	3152
08	436	1441	50	3	28	1958
09	210	767	37	2	10	1026
10	134	459	10	1	6	610
11 & above	87	226	6		1	320
N.R	32	156	34	4	4	230
<b>Total</b>	<b>20216</b>	<b>208600</b>	<b>83332</b>	<b>13341</b>	<b>1600</b>	<b>327089</b>

Table - 10

Live Births according to order of Birth and Literacy of Father  
for the state (Urban) - 1988

Order of Birth	LITERACY					Total
	Illiterate	Below matri- culation	Matriculation Higher secondary and equivalent	Graduation and above	Not reported	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	3145	49709	44463	11159	1756	110232
02	2673	41175	29062	7606	1261	81777
03	1592	22451	10260	1918	470	36691
04	758	6972	2035	369	140	10274
05	496	2724	562	72	61	3915
06	299	1390	227	23	28	1967
07	156	712	73	13	8	962
08	129	442	52	8	11	642
09	63	208	30	5	2	308
10	24	116	9	2	2	153
11 & above	7	31	4	1	3	46
N.R	26	126	72	15	17	256
Total	9368	126056	86849	21191	3759	247223

Table - 11

Live Births according to order of Birth and occupation of Father - Kerala - Rural 1988.

Order of Birth	Professional Technical and related workers	Administrative Executive Managerial	Clerical workers	Sales workers	Service Workers	Farmers, Fishermen, Hunters, Loggers & related workers	Productive & related workers transport equipments & labours	Others whose occupation is not elsewhere classified	Non Workers	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
01	7899	1892	6641	14138	5657	18523	61777	2575	9846	127348
02	4819	989	4075	11606	4568	14756	57295	2020	7605	107653
03	1901	346	1411	5170	1822	6881	28183	143	3653	49510
04	634	103	306	2228	526	2655	11641	498	1875	19666
05	325	40	107	1249	220	1325	5863	242	553	9924
06	171	13	56	738	88	820	3358	112	336	5692
07	101	11	25	375	48	448	1911	40	193	3152
08	69	4	14	223	35	323	1120	30	140	1958
09	35	2	3	139	17	185	557	17	71	1026
10	14	1	4	77	8	117	335	5	49	610
11 & above	18		4	43	5	56	170	1	23	320
NR	18	1	2	24	10	59	114	2	8	230
TOTAL	15196	2522	12648	36010	13004	46148	172324	5685	23552	327089



Table-12

Live Births according to order of Birth and occupation of Father - Kerala - Urban 1988.

Order of Birth	Professional Technical and related workers	Administrative Executive Managerial	Clerical workers	Sales workers	Service Personnel	Farmers, Fishermen, Hunters & Loggers & related workers	Productive workers & related equipments & labours	Others whose is not elsewhere classified	Non Workers	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
01	6776	1987	6456	15265	6167	7470	58532	5723	1756	110232
02	4907	1114	4700	10607	4506	6222	44379	4000	1262	81777
03	1382	340	2129	5261	2498	2742	20150	1655	526	36691
04	285	77	284	1566	439	860	5926	620	107	10274
05	117	36	77	649	173	360	2233	220	50	3915
06	40	17	17	339	50	246	1142	81	35	1967
07	31	16	6	167	25	118	498	80	21	962
08	30	2	10	124	23	75	332	39	7	642
09	14	1	3	63	5	53	136	25	8	300
10	3	0	3	31	3	24	74	14	1	153
11 & above	0	1	1	9	0	8	20	6	1	46
NR	4	3	11	32	19	26	123	18	20	256
Total	13589	3594	13777	34313	13900	10212	133553	12401	3796	247223

Table-13

Live birth by order of birth and age of Mother - Kerala -1988 - Rural

Order of Birth	Age fo Mother									All age
	Below 15 years	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)
01	11	31738	68405	22212	4081	729	74	24	74	127348
02		5584	57736	35188	7560	1402	132	16	35	107653
03		484	17850	22249	6915	1781	176	30	25	49510
04			3280	9636	4618	1862	217	41	12	19666
05			610	3728	3392	1918	239	31	6	9924
06				1321	2187	1845	298	37	4	5692
07				241	1849	1501	314	43	4	3152
08				15	465	1096	327	52	3	1958
09				9	149	631	197	38	2	1026
10				7	40	313	194	56		610
11 & above					12	144	123	40	1	320
NR		3	13	15	21	35	42	32	69	230
TOTAL	11	37809	147894	94621	30489	13257	2333	440	235	327089

Table-14

Live birth by order of birth and age of Mother - Kerala -1988 - Urban

Order of Birth	Age fo Mother									All age
	Below 15 years	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)
01	25	21124	59504	24178	4369	903	65	13	51	110232
02	0	3221	37400	30700	8707	1505	129	14	101	81777
03	0	664	12519	15751	6249	1382	79	5	42	36691
04	0	0	2418	4611	2276	868	70	7	24	10274
05	0	0	403	1584	1170	674	66	13	5	3915
06	0	0	0	691	663	539	59	11	4	1967
07	0	0	0	173	354	361	61	10	3	962
08	0	0	0	55	199	309	67	11	1	642
09	0	0	0	1	95	151	46	11	4	308
10	0	0	0	0	20	85	44	4		153
11 & above	0	0	0	0	1	26	12	7	0	46
NR	0	6	31	31	8	20	8	26	126	256
TOTAL	25	25015	112275	77775	24111	6823	706	132	361	247223

Table-15

Live births by age of mother in Municipalities and Corporation Kerala 1988

Sl.No.	Corporation/ Municipality	Age of Mother									Total
		Below 15 years	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.	Thiruvananthapuram Corp.	3	2336	14679	10550	3736	658	45	21	56	32076
2.	Meyvattinkara Muni.		226	1907	1213	231	62	4	1		3644
3.	Nedumangad Muni.		236	1375	698	117	25	2		1	2454
4.	Attingal Muni.		93	358	204	72	9				736
5.	Varkala Muni.		414	1430	751	296	64	4	1		2960
6.	Kollam Muni.		970	6285	3932	1004	222	24	1	1	12439
7.	Punalur Muni.		221	1622	812	176	39	5	1		2876
8.	Paravur Muni.		26	60	30	25	9	1			151
9.	Pathanamthitta Muni.		210	1681	1244	325	76	5			3461
10.	Thiruvalla Muni.		201	2357	2459	809	172	21	3	12	6034
11.	Allapuzha Muni.		661	3726	2898	885	174	13	2		8359
12.	Changannur Muni.		107	444	633	130	24	11		1	1350
13.	Navelikkara Muni.		269	1812	1200	298	49	4			3632
14.	Kavankulam Muni.		230	1192	547	124	37	2			2132
15.	Chertala Muni.		102	1229	1045	327	49	4			2756
16.	Kottayam Muni.		158	1625	1621	437	106	5			3952
17.	Palai Muni.		92	1145	1277	415	104	16	1		3050
18.	Chenganachery Muni.		165	1316	878	235	57	5			2656
19.	Vaikom Muni.		38	542	424	118	24	1			1147
20.	Thodupuzha Muni.		178	1670	1673	615	144	12	5	8	4305
21.	Cochin Corp.		887	6937	6167	2004	390	39	1		16425
22.	Kothamangalam Muni.		208	1928	1596	449	94	5	1		4281
23.	Moovattupuzha Muni.		217	1200	800	223	46	3	1		2506
24.	Thripunithara Muni.		98	1005	950	266	53	6			2458
25.	Aluva Muni.		415	2622	1523	358	81	4			5003
26.	Parur Muni.		113	1052	893	255	48	4			2365
27.	Perumbavoor Muni.		162	1502	1123	281	57	4	2	6	3137
28.	Angamali Muni.		57	1000	1011	221	35	14	12	6	2436
29.	Thissur Muni.		1035	6224	4390	1225	303	43	2	28	13250
30.	Kodungaloor Muni.		186	1274	827	215	39	6	6		2553
31.	Iringalakuda Muni.		62	517	434	105	30	4	1	1	1154
32.	Chalaky Muni.		80	852	751	202	47	2	1	1	1944
33.	Kunnankulam Muni.		243	978	658	182	67	3	3		2134
34.	Chavakad Muni.		147	458	313	129	51	1	1	1	1101
35.	Guruvavoor Township		123	424	273	90	36	3		4	953
36.	Palaghat Muni.		993	3852	2300	734	294	33	3	47	8256
37.	Shornoor Muni.		82	307	186	69	32	2	2		680
38.	Chittoor-Thathamangalam Muni.		192	746	460	138	42	3		9	1590
39.	Malappuram Muni.	2	646	968	645	292	179	22	9		2763
40.	Manjeri Muni.		965	1021	1109	374	239	34	11	11	4564
41.	Ponnani Muni.		1483	1169	377	95	18				3142
42.	Thirur Muni.		935	2200	1172	504	306	43	7		5167
43.	Kozhikode Corp.	2	3530	11864	7000	2369	911	78	15	59	25900
44.	Vadakara Muni.		1042	2319	1046	342	128	29	0		4906
45.	Kannur Muni.	9	847	1865	1171	453	177	23	3	90	4630
46.	Thalassery Muni.	6	1533	4565	2792	917	409	53	6	7	10200
47.	Kannur Contonment		295	1412	857	287	121	21	7	3	3003
48.	Kasaragode Muni.	3	882	2407	1469	628	298	25	1	3	5716
49.	Kanhangad Muni.		605	2298	1195	395	196	15	1	8	4793

Live Births by Religion in the Municipalities and Corporation of Kerala - 1988

Sl.No.	Corporation/ Municipality		Hindu	Muslims	Christians	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Thiruvananthapuram	Corp.	23236	4915	3989	16	32076
2.	Meyvattinkara	Muni.	2186	1300	158		3644
3.	Medunangad	Muni.	1663	276	515		2454
4.	Attingal	Muni.	585	10	221		736
5.	Varkala	Muni.	2893	39	828		2960
6.	Kollam	Muni.	8009	1940	2490		12439
7.	Paravur	Muni.	90	3	58		151
8.	Punalur	Muni.	1710	670	496		2876
9.	Pathanamthitta	Muni.	1951	238	1271	1	3461
10.	Thiruvalla	Muni.	2482	179	3453		6034
11.	Allapuzha	Muni.	5000	1757	1602		8359
12.	Changanur	Muni.	900	56	394		1350
13.	Mavelikkara	Muni.	2809	116	707		3632
14.	Kayamkulam	Muni.	1519	144	469		2132
15.	Chertala	Muni.	2256	404	96		2756
16.	Kottayam	Muni.	1970	219	1763		3952
17.	Palai	Muni.	1374	40	1628		3050
18.	Changanachery	Muni.	1566	237	853		2656
19.	Vaikom	Muni.	1030	30	87		1147
20.	Thodupuzha	Muni.	1583	674	2047	1	4305
21.	Cochin	Corp.	6694	2941	6763	27	16425
22.	Moovattupuzha	Muni.	1156	743	605	2	2506
23.	Kothamangalam	Muni.	1412	820	2040	1	4281
24.	Thripunithara	Muni.	1901	45	512		2458
25.	Aluva	Muni.	2195	1961	847		5003
26.	Parur	Muni.	1603	240	444		2375
27.	Perumbavoor	Muni.	1431	673	1033		3137
28.	Angamali	Muni.	596	8	1032		2436
29.	Thissur	Muni.	7897	1093	4249	11	13250
30.	Kodungallur	Muni.	1706	676	154	17	2553
31.	Iringalakkuda	Muni.	914	56	104		1154
32.	Chalaky	Muni.	948	74	922		1944
33.	Kunnamkulam	Muni.	1179	697	258		2134
34.	Chavakad	Muni.	384	696	20		1100
35.	Buruvavoor	Township	421	482	50		953
36.	Palaghat	Muni.	6487	1530	171		8196
37.	Shornoor	Muni.	568	104	8		680
38.	Chittoor-Thathamangalam	Muni.	1388	104	18		1590
39.	Malaapuram	Muni.	613	2126	24		2763
40.	Manjeri	Muni.	1512	2950	91	3	4564
41.	Ponnani	Muni.	1076	2054	12		3142
42.	Thirur	Muni.	1769	3309	9		5167
43.	Kozhikode	Corp.	14094	9401	600	933	25908
44.	Vadakara	Muni.	2765	2103	30		4906
45.	Kannur	Muni.	2078	2457	103		4638
46.	Kannur	Concoment	2349	557	87		3003
47.	Thalassery	Muni.	5052	4240	196		10288
48.	Kasaragode	Muni.	2492	3157	66	1	5716
49.	Kanhangad	Muni.	3221	1131	441		4793

Table - 17

## Live Birth by Religion in Kerala (District-wise) 1988

District	Rural/ Urban	Total Births	Hindu	Muslims	Christian	Others
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Thiruvananthapuram	Rural	14288	8955	2045	3268	20
	Urban	41870	29691	5538	6625	16
	Total	56158	38646	7583	9893	36
Kollam	Rural	26706	17060	4669	4974	3
	Urban	15466	9803	2619	3044	
	Total	42172	26863	7288	8018	3
Pathanamthitta	Rural	13757	7511	883	5361	2
	Urban	9495	4353	417	4724	1
	Total	23252	11864	1300	10085	3
Alapuzha	Rural	11476	7402	1232	2842	0
	Urban	19229	12484	3068	2677	0
	Total	29705	19886	4300	5519	0
Kottavam	Rural	22664	8608	1356	12700	0
	Urban	10805	5940	534	4331	0
	Total	33469	14548	1890	17031	0
Idukkv	Rural	13424	6897	845	5682	0
	Urban	4305	1583	674	2047	1
	Total	17729	8480	1519	7729	1
Ernakulam	Rural	11419	4593	830	5996	
	Urban	38611	17068	7429	14004	30
	Total	50030	21661	8259	20000	30
Thrissur	Rural	30897	16675	7587	6631	4
	Urban	23088	13455	3774	5937	22
	Total	53985	30130	11361	12468	26

Contd....



(Table 17 Contd...).

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Palakkad	Rural	38707	23663	13950	1094	0
	Urban	10466	8443	1826	197	0
	Total	49173	32106	15776	1291	0
Malapuram	Rural	65001	12020	51193	977	3
	Urban	15636	4970	10527	136	3
	Total	80637	17798	61720	1113	6
Kozhikode	Rural	24570	10430	12729	1397	14
	Urban	30014	17659	11504	718	933
	Total	55384	28089	24233	2115	947
Wayanad	Rural	13399	5245	5169	2933	52
	Urban	0	0	0	0	0
	Total	13399	5245	5169	2933	52
Kannur	Rural	28942	13787	11464	3601	90
	Urban	17929	10279	7264	386	0
	Total	46871	24066	18728	3987	90
Kasarode	Rural	11839	5732	5553	553	1
	Urban	10509	5713	4208	507	1
	Total	22348	11445	9841	1060	2
State	Rural	327089	149386	119505	58009	189
	Urban	247223	141441	59462	45313	1007
	Total	574312	290827	178967	103322	1196

Table 18

Month-wise distribution of live Births in Kerala  
1988 (Rural/Urban)

Months	Rural	Urban	Total
January	25688	19881	45569
February	25710	18515	44225
March	29246	21170	50416
April	29260	21690	50950
May	29948	21002	50950
June	29473	21710	51183
July	25775	19684	45459
August	25274	20033	45307
September	25796	19582	45378
October	26920	21358	48278
November	27339	21996	49335
December	26660	20602	47262
State	327089	247223	574312

Table - 19

Sex-ratio of Live Births in Kerala (District-wise) 1988

District	Rural/ Urban	Males	Females	Sex Ratio
(1)	(2)	(3)	(4)	(5)
Thiruvananthapuram	Rural	7286	7002	961
	Urban	21033	20837	991
	Total	28319	27839	983
Kollam	Rural	13876	12830	925
	Urban	8011	7455	931
	Total	21887	20285	927
Pathanamthitta	Rural	6997	6760	966
	Urban	5031	4464	887
	Total	12028	11224	933
Alapuzha	Rural	5733	5743	1002
	Urban	9370	8859	945
	Total	15103	14602	967
Kottavam	Rural	11533	11131	965
	Urban	5384	5421	1006
	Total	16917	16552	978
Idukkv	Rural	6868	6556	955
	Urban	2197	2108	959
	Total	9065	8664	956
Ernakulam	Rural	5890	5529	939
	Urban	19744	18867	956
	Total	25634	24396	952
Thrisseer	Rural	15914	14981	941
	Urban	11614	11474	988
	Total	27530	26455	961

Contd...

(Table 19 Contd...)

(1)	(2)	(3)	(4)	(5)
Palakkad	Rural	19829	18878	952
	Urban	5360	5106	953
	Total	25189	23984	952
Malapuram	Rural	33522	31479	939
	Urban	7904	7732	978
	Total	41426	39211	947
Kozhikode	Rural	12390	12180	983
	Urban	15739	15075	958
	Total	28129	27255	969
Wavanad	Rural	6887	6512	946
	Urban	Nil	Nil	
	Total	6887	6512	946
Kannur	Rural	14640	14302	977
	Urban	9066	8863	978
	Total	23706	23165	977
Kasargode	Rural	6071	5768	950
	Urban	5403	5106	945
	Total	11474	10874	948
State	Rural	167438	159651	953
	Urban	125856	121367	964
	Total	293294	281018	958

Table - 20

Month-wise distribution of Deaths in Kerala  
1988 (Rural/Urban)

Months	Rural	Urban	Total
January	8261	3490	11751
February	8389	3483	11872
March	8261	3571	11832
April	7879	3357	11236
May	7978	3487	11465
June	8446	3421	11867
July	9634	3782	13416
August	9990	3817	13807
September	9273	3595	12868
October	8500	3471	11971
November	8539	3393	11932
December	8857	3722	12579
State	104007	42589	146596

Table - 21

Death by age and Sex - Kerala - 1988

Age/Sex	Rural			Urban			All ages		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Below 1 year	1390	992	2382	2713	2097	4810	4103	3089	7192
1 to 4 years	644	642	1286	668	632	1300	1312	1274	2586
5 to 14 years	734	667	1401	676	598	1274	1410	1265	2675
15 to 24 years	1516	1159	2675	1042	900	1942	2558	2059	4617
25 to 34 years	2145	1205	3350	1302	831	2133	3447	2036	5483
35 to 44 years	3352	1511	4863	2003	959	2962	5355	2470	7825
45 to 54 years	6037	2418	8455	3014	1407	4421	9051	3825	12876
55 to 64 years	9899	4400	14379	4827	2316	7143	14726	6796	21522
65 and above	33848	31091	64939	9244	7192	16436	43092	30283	81375
NR	100	97	277	109	59	168	289	156	445
Total	59745	44262	104007	25598	16991	42589	85343	61253	146596



Table - 22

## Death by Religion in Kerala (District-wise) 1988

District	Rural/ Urban	Hindu	Muslims	Christian	Others	Total Births
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Thiruvananthapuram	Rural	6250	568	1692	18	8528
	Urban	6077	734	1060	2	7873
	Total	12327	1302	2752	20	16401
Kollam	Rural	6148	732	1319	0	8199
	Urban	1618	294	349	0	2261
	Total	7758	1026	1668	0	10452
Pathanamthitta	Rural	2834	107	2258	0	5199
	Urban	499	42	563	0	1104
	Total	3333	149	2821	0	6303
Alapuzha	Rural	5069	492	1723	1	7285
	Urban	2129	731	563	0	3423
	Total	7198	1223	2286	1	10708
Kottavam	Rural	4326	252	4485	0	8983
	Urban	758	59	525	0	1342
	Total	5084	311	4930	0	10325
Idukky	Rural	1842	241	1336	0	3419
	Urban	152	53	189	0	394
	Total	1994	294	1525	0	3813
Ernakulam	Rural	3628	586	3163	5	7382
	Urban	3480	866	2471	9	6826
	Total	7108	1452	5634	14	14208
Thrissur	Rural	7453	1556	2290	0	11299
	Urban	2365	584	868	0	3817
	Total	9818	2140	3158	0	15116

Contd....

(Table 22 Contd...)

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Palakkad	Rural	8955	1816	282	3	11056
	Urban	1758	246	37	0	2041
	Total	10713	2062	319	3	13097
Malapuram	Rural	3574	5743	159	1	9477
	Urban	615	1121	10	1	1747
	Total	4189	6864	169	2	11224
Kozhikode	Rural	4981	2581	178	2	7682
	Urban	5237	2506	341	224	8308
	Total	10218	5087	539	226	15990
Wayanad	Rural	1152	880	454	15	2501
	Urban	0	0	0	0	0
	Total	1152	880	454	15	2501
Kannur	Rural	6566	1782	597	89	9034
	Urban	1693	509	133	0	2334
	Total	8259	2290	730	89	11368
Kasarode	Rural	2893	889	187	2	3971
	Urban	774	290	49	6	1119
	Total	3667	1179	236	8	5090
State	Rural	65663	18145	20063	136	104007
	Urban	27155	9024	7158	242	42589
	Total	92818	26179	27221	378	146596

Table - 23

## Percentage Distribution of Deaths due to some specified Diseases - 1988

District	Total death	Dysentery Compl. of Respi- Fever & Diarrh-Pregnency ratory Diseases										Diphth- eria	Polio	Chicken- pox	Cancer	Leprosy	Rabies	Typhoid	Pneumo- nia	Jaundis	Heart Diseases	Rhumatic Compl- aints	Others	
		01	02	03	04	05	06	07	08	09	10													11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(28)	(32)	(37)
iruvanthapuram	16401	3.96	1.91		8.55	2.79	0.03	0.05	0.05	0.03	3.29	0.08	0.02	0.13	0.24	0.38	26.86	6.49	45.14					
Ilam	10452	5.24	0.55	0.03	6.75	3.61	0.09	0.03	0.03	0.01	5.78	0.01	0.05	0.13	0.25	0.18	19.67	13.63	43.99					
thanambitta	6303	3.71	1.09	0.02	4.70	1.95	0.05	0.08	0.06	0.02	5.73			0.10	0.29	0.29	19.59	28.24	34.08					
apouzha	10700	9.35	1.34		9.23	2.99	0.21		0.15		7.49	0.03	0.83	0.01	0.42	0.47	19.61	18.41	30.26					
ittavan	10325	4.27	0.58	0.04	6.17	3.23	0.03	0.01	0.02	0.01	5.14	0.02	0.01	0.13	0.22	0.16	13.28	23.91	42.77					
akki	3813	9.05	0.42	0.03	5.53	1.36	0.03		0.16	0.05	6.90			0.11	0.05	1.02	19.67	14.63	41.00					
nakulam	14208	6.30	0.68		6.89	2.53	0.19	0.03	0.07	0.05	6.07	0.02	0.06	0.01	0.52	0.32	23.12	8.56	44.58					
chissur	15116	7.84	0.75	0.05	13.17	2.50	0.08	0.08	0.57	0.01	7.34	0.05	0.04	0.02	0.73	0.28	19.58	12.71	34.28					
lakkad	13097	16.76	0.98	0.05	4.22	2.60	0.11		0.02	0.04	6.05			0.02	0.13	0.51	11.97	12.69	43.83					
lapuram	11224	9.78	1.41	0.12	7.99	3.53	0.31	0.10	0.06	0.04	7.94	0.04		0.09	0.27	0.22	12.46	21.94	33.70					
chikode	15990	4.46	0.46	0.01	4.58	3.03	0.14		0.01	0.01	5.27			0.01	0.79	0.16	16.75	18.11	46.15					
sanad	2501	7.32	1.72	0.04	6.20	0.76		0.08		0.04	5.64			0.04	0.32	0.20	15.15	13.63	48.82					
anur	11368	8.13	0.48	0.04	6.21	2.74	0.02	0.03	0.04	0.01	6.40	0.02	0.01	0.10	0.18	0.13	16.91	21.25	37.30					
sarpode	5098	9.17	0.79	0.33	7.52	3.50	0.04	0.14	0.08	0.02	4.83	0.14	0.02	0.02	0.12	0.37	15.97	13.66	43.28					

Table - 24

Infant deaths by Sex in Kerala - Districts wise 1988

Sl.No.	District	Rural/ Urban	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)
1.	Thiruvnanathapuram	Rural	43	36	79
		Urban	404	329	733
		Total	447	365	812
2.	Kollam	Rural	101	73	174
		Urban	129	117	246
		Total	230	190	420
3.	Fathanamthitta	Rural	60	36	96
		Urban	62	36	98
		Total	122	72	194
4.	Alapuzha	Rural	33	20	53
		Urban	191	152	343
		Total	224	172	396
5.	Kottavam	Rural	191	138	329
		Urban	31	41	72
		Total	222	179	401
6.	Idukkv	Rural	97	71	168
		Urban	17	15	32
		Total	114	86	200
7.	Ernakulam	Rural	86	43	129
		Urban	278	211	489
		Total	364	254	618
8.	Trissur	Rural	102	73	175
		Urban	202	188	390
		Total	304	261	565

Contd....

(Table 24 Contd....)

(1)	(2)	(3)	(4)	(5)	(6)
9.	Palakkad	Rural	160	114	274
		Urban	123	99	222
		Total	283	213	496
10.	Malapuram	Rural	202	162	364
		Urban	146	112	258
		Total	348	274	622
11.	Kozhikode	Rural	46	37	83
		Urban	926	649	1575
		Total	972	686	1658
12.	Wavanad	Rural	97	66	163
		Urban			
		Total	97	66	163
13.	Kannur	Rural	129	94	223
		Urban	115	103	218
		Total	244	197	441
14.	Kasaragodde	Rural	43	29	72
		Urban	89	45	134
		Total	132	74	206
STATE		Rural	1390	992	2382
		Urban	2713	2097	4810
		Total	4103	3089	7192

Table - 25

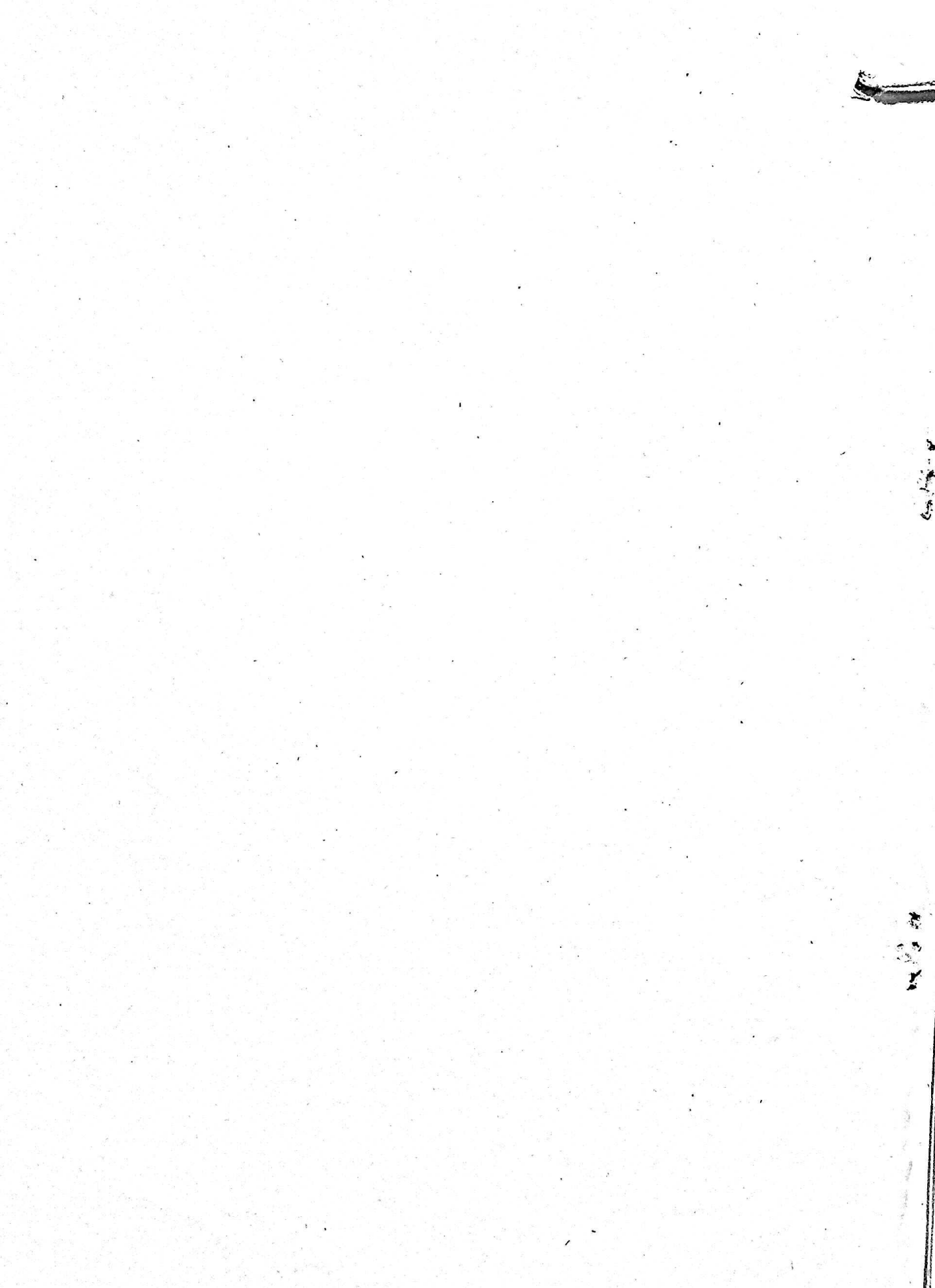
Infant deaths by Age and Sex in Kerala-1988

Sl.No.	Age	Rural			Urban			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Under one week	849	540	1389	1824	1382	3206	2673	1922	4595
2.	One week to one Months	188	139	327	381	318	691	569	449	1018
3.	One months but below three months	135	106	241	185	159	344	320	265	585
4.	Three months but below six months	103	105	208	137	108	245	240	213	453
5.	Six months but below twelve months	115	102	217	186	138	324	301	240	541
	<b>Total</b>	<b>1390</b>	<b>992</b>	<b>2382</b>	<b>2713</b>	<b>2097</b>	<b>4810</b>	<b>4103</b>	<b>3089</b>	<b>7192</b>

Table - 26

Maternal deaths by Age of deaths in Kerala 1988

Age of Death	Rural	Urban		Total for all areas
		Towns with population 3000 and above	All other Urban areas	
(1)	(2)	(3)	(4)	(5)
Below 15 years	0	0	0	0
15-19	2	1	0	3
20-24	5	2	0	7
25-29	4	2	0	6
30-34	2	0	0	2
35-39	5	3	0	8
40-44	1	0	0	1
45 and above	0	0	0	0
NR	21	9	0	30
All Ages	40	17	0	57





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