



GOVERNMENT OF KERALA

VITAL STATISTICS
BULLETIN No. 45
1981

DEPARTMENT OF ECONOMICS AND STATISTICS
APRIL 1986

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1931

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PREFACE

This bulletin presents the Vital Statistics of the State for the calendar year 1981. 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.

Trivandrum,
28-4-1986.

N. GEORGE JOHN,
Director.

VITAL STATISTICS BULLETIN 1981

Introduction

Vital Statistics of the State for the calendar year 1981 are presented in this bulletin. The registration of birth and death in the State is governed by the Birth and Death Act of 1969 and the rules made thereunder in 1970. The Chief Registrar is the Director of Panchayats and the Additional Chief Registrar is the Additional Director, 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 are the Local Registrars of the municipality/corporation. The data received from the registering authorities are scrutinised, 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 such as date of birth, sex of child, literacy of mother and father, occupation, religion, age of mother, type of attention, etc. are recorded in the birth register and date of death, age, sex, occupation, religion and cause of death, etc. of the deceased are recorded in the death register kept by the Local Registrars. 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 the statistical reports.

3. Limitations of the data

As omissions in registration are likely to occur, the total number of registered events under civil registration is likely to be less than that of actual events that occurred. 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 registration is *de facto* and the urban hospital facilities are utilised by the rural people also.

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. Births and birth rate of the State for the year 1981

During 1981, 5.54 lakhs live births were registered in the State. Rural areas accounted for 3.54 lakhs and urban areas for 2 lakhs. The total birth rate was 21.64, the same as for 1980. The district-wise break up are presented in Table I. In the northern districts (namely Palghat 22.68, Malappuram 29.57, Kozhikode 23.69 and Cannanore 24.28) the registered birth rates were higher than the State figure.

7. Deaths and death rate for the State for 1981

A total of 1.24 lakhs deaths were registered during 1981. This indicates an increase in deaths compared to 1980 (1.18 lakhs). The State death rate was 4.84. Palghat registered the highest death rate of 6.28. Other districts having death rates above the State rate are Alleppey (5.03), Kottayam (5.07), Kozhikode (5.98) and Cannanore (4.91).

8. Infant death rate for the State for 1981

The number of infant deaths that occurred during 1981 was 8,867. During 1980 this figure was lower (8,227). The infant death rate in 1981 was 15.99. The highest infant death rate during 1981 was registered in Kozhikode (23.35).

9. Maternal death rate for the State in 1981

During 1981, 105 maternal deaths occurred. Out of this the majority was in rural areas (59). The maternal death rate during 1981 comes to 0.19 indicating a slight increase over 1980 (0.11).

10. Still birth rate for the State in 1981

The total number of still births comes to 4,465—an improvement over the previous year's 4,967. The still birth rate works out to 7.99. The highest still birth rate was for Ernakulam (10.79) and the lowest rate was for Alleppey (4.27). Those districts having a still birth rate lower than the State average are Alleppey (4.27), Kottayam (5.38), Malappuram (6.54) and Cannanore (6.96).

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TABLE 1
Statement showing the total number of births, deaths, still births, infant deaths and maternal deaths and their rates—1981

Name of District	Rural/Urban	Mid year estimated population (in '000)	Live births			Deaths				
			Number		Rate		Number		Rate	
			1981	1980	1981	1980	1981	1980	1981	1980
1	2	3	4	5	6	7	8	9		
Trivandrum	..	1990	17288	8.69	8.17	5892	2.96	3.20		
		622	33293	53.53	60.11	6314	10.15	9.73		
Quilon	..	2612	50581	19.36	20.55	12206	4.67	4.76		
		2614	38637	14.78	15.26	9098	3.48	3.46		
Alleppey	..	215	17159	79.81	77.53	2139	9.95	10.01		
		2829	55796	19.72	20.01	11237	3.97	3.96		
Kottayam	..	2005	23269	11.61	9.03	8469	4.22	3.48		
		353	19836	56.19	54.34	3386	9.59	9.10		
		2358	43105	18.28	15.84	11855	5.03	4.32		
Idukki	..	1544	22502	14.57	15.27	7441	4.82	4.72		
		159	11342	71.33	67.26	1195	7.52	6.90		
		1703	33844	19.87	20.15	8636	5.07	4.92		
Ernakulam	..	944	13612	14.42	13.70	2950	3.13	2.96		
		36	3459	96.08	92.68	285	7.92	8.63		
		980	17071	17.42	16.66	3235	3.30	3.17		
		1828	16698	9.13	9.55	6148	3.36	3.26		
		722	33827	46.85	45.40	5275	7.31	7.22		
		2550	50525	19.81	19.72	11423	4.48	4.39		
Trichur	..	2204	27258	12.37	11.52	8666	3.93	3.68		
		241	23781	96.28	96.59	3212	13.00	13.07		
		2451	51039	20.82	20.10	11878	4.85	4.63		

TABLE I—(cont.)

Name of District	Rural/Urban	Still births		Infant death		Maternal death				
		Rate		Rate		Rate				
		Number	1981	1980	Number	1981	1980	Number	1981	1980
Trivandrum	..	10	11	12	13	14	15	16	17	18
		165	9.45	9.18	152	8.79	11.83	4	0.23	0.19
		279	8.31	10.76	796	23.91	23.52	7	0.21	0.03
Quilon	..	444	8.70	10.28	948	18.74	19.98	11	0.22	0.08
		298	7.65	5.98	394	10.20	10.14	6	0.15	0.13
		244	14.02	17.72	324	18.88	18.22	4	0.23	..
Alleppey	..	542	9.62	9.48	718	12.87	12.53	10	0.18	0.09
		84	3.60	5.44	179	7.69	3.63	7	0.30	0.22
		101	5.07	9.31	275	13.86	15.27	5	0.25	0.10
		185	4.27	7.44	454	10.53	9.63	12	110.28	0.16
Kottayam	..	73	3.23	3.46	476	21.15	20.19	3	0.13	0.04
		110	9.61	11.51	112	9.87	10.33	6	0.52	..
		183	5.38	6.00	588	17.37	17.10	9	0.26	0.03
Idukki	..	101	7.37	10.59	346	25.42	22.44	2	0.15	..
		41	11.71	8.96	47	13.59	15.67	..	..	..
		142	8.25	10.25	393	23.02	21.03	2	0.12	..
Ernakulam	..	128	7.61	9.18	239	14.31	14.39	2	0.12	..
		423	12.35	14.02	646	19.10	17.57	6	0.18	0.06
		551	10.79	12.35	885	17.52	16.47	8	0.16	0.04
Trichur	..	144	5.26	7.06	282	10.35	4.20	4	0.15	0.12
		293	12.17	15.59	419	17.62	17.58	3	0.13	0.08
		437	8.49	11.22	701	13.73	10.69	7	0.14	0.10

TABLE 1—(cont.)

Name of District	Rural/Urban	Mid year estimated population (in '000)	Live births		Deaths		Rate	
			Number		Rate			
			1981	1980	1981	1980		
1	2	3	4	5	6	7	8	9
Palghat	R	1881	38803	20.63	19.59	10768	5.72	5.43
	U	178	7903	44.40	44.33	2154	12.10	11.42
Malappuram	R	2059	46706	22.68	21.74	12922	6.28	5.95
	U	2247	61867	27.53	23.63	9278	4.13	4.10
	R	179	9865	55.11	50.83	1862	10.40	9.78
	U	2426	71732	29.57	25.64	11140	4.59	4.52
Kozhikode	R	1800	27543	15.30	21.04	6816	3.79	4.95
	U	462	26035	56.35	58.19	6710	14.52	13.53
	R	2262	53578	23.69	28.65	13526	5.98	6.71
	U	560	11745	20.97	..	2080	3.71	..
Wynad	R	..	..	..	..	..	..	..
	U	560	11745	20.97	..	2080	3.71	..
	R	2642	55043	20.83	22.30	11954	4.52	4.64
	U	185	13606	73.55	76.25	1926	10.41	10.02
Cannanore	R	2827	68649	24.28	25.78	13880	4.91	4.99
	U	..	..	..	..	..	..	..
State	R	22259	354265	15.91	15.67	89560	4.02	4.01
	U	3358	200106	59.59	60.12	34458	10.26	9.87
	T	25617	554371	21.64	21.64	124018	4.84	4.80

TABLE 2

1981 Census population (to the nearest thousand) of Districts—Rural, Urban and Sex-wise

Serial number	District	Total population		Rural		Urban		Population not under registration				Population of towns each with population 30,000 and over				
		3	4	5	6	7	Rural		Urban		8	9	10	11	12	13
							Male	Female	Male	Female						
1	Trivandrum	2596	954	986	325	331	..	..	..	..	..	..	..	279	282
2	Quilon	2814	1205	1238	184	187	..	..	..	..	..	..	..	106	108
3	Alleppey	2350	963	1014	183	190	..	..	..	..	..	..	..	134	137
4	Kottayam	1697	769	769	79	80	..	..	..	..	..	..	..	58	58
5	Idukki	972	472	455	23	22	..	..	..	..	..	..	..	18	18
6	Ernakulam	2535	766	766	503	500	..	..	..	..	..	..	..	297	293
7	Trichur	2440	913	1012	249	266	..	..	..	..	..	..	..	74	80
8	Palghat	2044	893	945	101	105	..	..	..	..	..	..	..	87	90
9	Malappuram	2403	1083	1142	88	90	..	..	..	..	..	..	..	88	90
10	Kozhikode	2245	808	827	304	306	..	..	..	..	..	..	..	228	230
11	Wynad	554	284	270	..	..	..	..	..	..	..	..	..	..	..
12	Cannanore	2804	1057	1091	322	334	..	..	..	..	..	..	..	88	91
..	Kerala State	25454	10167	10515	2361	2411	..	..	..	..	..	..	..	1457	1477

TABLE 3

Total number of births, deaths, still births and infant deaths in Corporations and Municipalities having a population 30,000 and over

Corporation/Municipality	Births			Deaths			Still births	Infant deaths
	Total	Male	Female	Total	Male	Female		
Trivandrum Corporation	22681	11548	11133	5723	3527	2196	236	709
Nedumangad	3189	1621	1568	175	99	76	..	24
Varkala	3075	1512	1563	126	71	55	11	26
Quilon	11527	5940	5587	1613	966	647	160	253
Punalur	2915	1481	1434	283	165	118	60	39
Pathanamthitta	2717	1412	1305	243	166	77	24	32
Kayamkulam	3801	1944	1857	278	163	115	39	19
Alleppey	7307	3828	3479	1783	1095	688	24	140
Shertalai	2291	1190	1101	465	275	190	11	38
Kottayam	4423	2536	2087	509	316	193	53	24
Changanacherry	2312	1197	1115	244	128	116	..	23
Thodupuzha	3459	1774	1685	285	181	104	41	47
Cochin Corporation	14694	7688	7006	3410	2154	1256	218	338
Trippunithura	2066	1087	979	223	140	83	12	24
Kothamangalam	3692	1878	1814	332	200	132	24	74
Trichur	12091	6159	5932	1876	1220	656	96	253
Chalakudy	2142	1100	1042	233	172	61	17	25
Chavakkad	1797	923	874	191	98	93	38	30
Palghat	6224	3224	3000	1646	1021	625	174	274
Shornur	434	208	226	191	105	86	..	5
Chittur	1245	645	500	317	1180	137	39	49
Malappuram	1697	866	831	231	134	97	34	40
Manjeri	3568	1868	1700	861	498	363	166	121
Ponnani	1443	772	671	298	165	133	39	45
Tirur	3157	1640	1517	472	259	213	69	66
Calicut Corporation	19117	9839	9278	6175	3866	2309	390	946
Badagara	6918	3589	3329	535	309	226	26	115
Cannanore	2960	1518	1442	500	310	190	1	61
Tellicherry	6521	3418	3103	993	603	390	81	117
Kasargode	4125	2132	1993	433	234	199	121	85

TABLE 4

Total number of births and deaths, still births, infant deaths, maternal deaths in Corporation and Municipalities having a population of 30,000 and over, district-wise

District	Births	Deaths	Still births	Infant deaths	Maternal deaths
1	2	3	4	5	6
Trivandrum	28945	6024	247	759	6
Quilon	17159	2139	244	324	4
Alleppey	13399	2526	74	197	4
Kottayam	6735	753	53	47	4
Idukki	3459	285	41	47	..
Ernakulam	20453	3965	254	436	3
Trichur	16030	2300	151	308	2
Palghat	7903	2154	213	328	3
Malappuram	9865	1862	308	272	5
Kozhikode	26035	6710	416	1061	4
Wynad	..	..	..	..	..
Cannanore	13606	1926	203	263	3
Total	163589	30644	2204	4042	38

TABLE 5

Births, deaths, still births and infant deaths and their rates in Corporations and Municipalities

Corporations/ Municipalities	Births				Deaths				Still births		Infant death		
	1	2	3	4	5	6	7	8	9	10	11	12	13
Trivandrum Corporation	11548	11133	22681	46.67	3527	2196	5723	11.78	236	709	31.26	709	31.26
Nedumangad	1621	1568	3189	72.11	99	76	175	3.96	..	24	7.53	24	7.53
Varkala	1512	1563	3075	90.03	71	55	126	3.69	11	26	8.46	26	8.46
Neyyattinkara	1445	1312	2757	97.94	161	101	262	9.31	23	36	13.06	36	13.06
Attingal	817	774	1591	53.50	15	13	28	0.94	9	1	0.63	1	0.63
Quillon	5940	5587	11527	83.26	966	647	1613	11.65	160	253	21.95	253	21.95
Punalur	1481	1434	2915	67.46	165	118	283	6.55	60	39	13.38	39	13.38
Pathanamthitta	1412	1305	2717	82.01	166	77	243	7.33	24	32	11.78	32	11.78
Kayamkulam	1944	1857	3801	61.70	163	115	278	4.51	39	19	5.00	19	5.00
Alleppey	3828	3479	7307	42.91	1095	688	1783	10.47	24	140	19.16	140	19.16
Shertallai	1190	1101	2291	56.39	275	190	465	11.45	11	38	16.59	38	16.59
Mavelikara	1394	1366	2760	103.64	193	121	314	11.79	6	28	10.14	28	10.14
Thiruvalla	1489	1401	2890	98.57	231	167	398	13.57	21	43	14.88	43	14.88
Chengannur	428	359	787	31.63	84	64	148	5.95	..	7	8.89	7	8.89
Kottayam	2336	2087	4423	68.47	316	193	509	7.88	53	24	5.43	24	5.43
Changanacherry	21197	1115	2312	44.40	128	116	244	4.69	..	23	9.95	23	9.95
Palai	1345	1282	2627	121.22	167	77	244	11.25	29	37	14.08	37	14.08
Vaikom	1052	928	1980	93.68	112	86	198	9.37	28	28	14.14	28	14.14
Thodupuzha	1774	1685	3459	96.13	181	104	285	7.92	41	47	13.59	47	13.59
Cochin Corporation	7688	7006	14694	28.47	2154	1256	3410	6.61	218	338	23.00	338	23.00
Trippunithura	1087	979	2066	47.03	140	83	223	5.08	12	24	11.62	24	11.62
Kothamangalam	1878	1814	3692	110.76	200	132	332	9.96	24	74	20.04	74	20.04
Alwaye	2059	1951	4010	158.37	199	134	333	13.15	64	66	16.46	66	16.46
Parur	1506	1453	2959	112.27	151	98	249	9.45	48	41	13.86	41	13.86

TABLE 5—(cont.)

Corporations/ Municipalities	Births			Deaths				Still births		Infant death		
	Male	Female	Total	Rate	Male	Female	Total	Rate	No.	Rate	No.	Rate
Angamali	1101	1023	2124	74.65	209	112	321	11.28	15	7.01	41	19.30
Perumbavoor	971	939	1910	82.51	96	68	164	7.08	22	11.39	18	9.42
Muvattupuzha	1226	1146	2372	93.26	140	103	243	9.55	20	8.36	44	18.85
Trichur	6159	5932	12091	154.92	1220	656	1876	24.06	96	7.88	253	20.94
Chalakyudy	1100	1042	2142	50.94	172	61	233	5.54	17	7.87	25	11.67
Chavakkad	923	874	1797	52.04	98	93	191	5.53	38	20.71	30	16.69
Irinjalakuda	1035	990	2025	77.53	163	80	243	9.30	47	22.68	32	15.80
Kunnankulam	1469	1244	2713	139.29	142	96	238	12.22	53	19.16	31	11.43
Guruvayoor Township	40	30	70	3.91	71	45	116	6.47	..	..	1	14.29
Kodungalloor	1518	1426	2943	103.51	199	116	315	11.08	42	14.07	47	15.97
Palghat	3224	3000	6224	55.65	1021	625	1646	14.72	174	27.20	274	44.02
Shornur	208	226	434	12.31	105	86	191	5.42	..	..	5	11.52
Chittur	645	600	1245	40.85	180	137	317	10.40	39	30.37	49	39.36
Malappuram	866	831	1697	42.31	134	97	231	5.76	34	19.64	40	23.57
Manjeri	1868	1700	3568	65.45	498	363	861	15.79	166	44.46	121	33.91
Ponnani	772	671	1443	33.15	165	133	298	6.85	39	26.32	45	31.18
Tirur	1640	1517	3157	76.70	259	213	472	11.47	69	21.39	66	20.91
Calicut Corporation	9839	9278	19117	48.16	3866	2309	6175	15.56	390	19.99	946	49.48
Badagara	3589	3329	6918	107.13	309	226	535	8.28	26	3.74	115	16.62
Cannanore	1518	1442	2960	48.43	310	190	500	8.18	1	0.34	61	20.61
Tellicherry	3418	3103	6521	86.02	603	393	993	13.10	81	12.27	117	17.94
Kasargod	2132	1993	4125	94.90	234	199	433	9.96	121	28.50	85	20.61

TABLE 7

Live births according to their birth order and literacy of father for the State (Urban)

Order of birth	Illiterate			Literate			Not reported	Total
	1	2	3	Below Matriculation	Matriculation, Higher Secondary/ equivalent	Graduate and above		
1	3	2	3	4	5	10	15	18
2	3740	2790	39356	20504	7760	9604	80964	
3	2993	2993	25774	12822	4348	6916	52650	
4	1580	1580	24348	7886	1567	4408	41202	
5	824	824	8272	1630	310	1202	12934	
6	554	554	3500	418	80	450	5272	
7	290	290	1796	166	32	146	2694	
8	164	164	956	100	8	157	1511	
10	124	124	628	32	8	78	909	
Above 10	74	74	346	36	..	46	552	
Not stated	56	56	230	20	8	27	359	
	124	124	188	24	12	24	304	
			364	90	19	98	695	
Kerala	13312	105758	43728	14152	23156	200106		

TABLE 8

Live births according to their birth order by the occupation of father and mother's literacy for the State—Urban

Order of birth	Fathers occupation							Mother's literacy group					Total		
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15
	Professional, technical and related workers	Administration executive and managerial workers	Clerical workers	Sale workers	Service workers	Farmers, Fishermen, Hunters, loggers etc. and related workers	Productive and other related workers, transport equipment operators and labourers	Cultivators, Agricultural labourers and others	Non-workers	Graduate and above	Higher Secondary, Matriculation or equivalent examinations	Rest	Not stated		
1	8464	1186	2664	7368	9268	3424	38196	2808	7586	5828	21352	43332	10452	30964	
2	5306	730	1514	4644	6676	2140	24192	1968	5480	3176	12664	29414	2396	52650	
3	2772	356	724	2826	3322	1660	23998	1340	4204	1022	7354	28030	4796	41202	
4	716	110	188	1198	818	813	7624	341	1186	140	1296	10008	1550	12994	
5	236	60	56	584	216	340	3128	162	490	20	198	4548	506	5272	
6	90	48	16	369	77	274	1520	74	226	12	74	2434	174	2694	
7	53	24	16	224	40	156	851	46	101	4	32	1287	188	1511	
8	40	24	..	190	8	101	484	8	54	..	16	768	125	909	
9	12	4	..	110	12	90	260	4	60	..	4	480	68	552	
10	28	4	8	55	8	62	150	8	36	4	20	327	8	359	
Above 10	28	..	..	51	12	32	137	8	36	8	8	268	20	304
Not stated	56	8	20	56	44	52	358	50	51	20	79	468	128	695	
State total	17801	2554	5206	17675	20501	9144	100898	6817	19510	10234	43097	121364	25411	200106	

TABLE 9
Live births by age of mother and order of birth for Kerala State (Rural) 1981

Age of mother	Total births	Order of birth											N.R.	
		1	2	3	4	5	6	7	8	9	10	11		12	13	14
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Below 15 years	111	..	..	..	..	..	..	..	..	..	..	..	..	..
15—19	37888	30647	5879	906	277	35	..	..	..	..	..	..	..	..
20—24	147902	63565	55820	21614	4868	1127	369	100	5	1	37	13	432	
25—29	100228	14775	29472	29075	15951	6646	2574	818	292	119	183	190	456	
30—34	38612	2465	5113	7470	7507	6651	4881	2253	1025	444	183	190	430	
35—39	23420	676	985	2133	3084	3999	4210	3616	2352	1133	706	335	181	
40—44	4646	91	131	187	334	447	592	857	786	550	385	207	79	
45 and above	948	9	17	23	38	101	110	140	146	160	96	52	56	
Not reported	610	62	47	78	30	25	15	8	27	14	19	28	257	
Total	354265	112301	97464	61486	32089	19031	12751	7792	4643	2421	1427	825	2033	

TABLE 10
Live births by age of mother and order of birth for Kerala State (Urban) 1981

Age of mother	Order of birth											N.R.
	1	2	3	4	5	6	7	8	9	10	11 and above	
Total births	3	4	5	6	7	8	9	10	11	12	13	14
15—19	23344	19748	2932	414	178	32	16	..	..	..	..	24
20—24	88697	41840	26740	16008	3082	664	178	61	..	..	..	116
25—29	60738	15628	17290	18836	5764	1920	752	276	32	..	..	140
30—34	19436	3030	4808	4954	2850	1572	1054	529	132	67	4	88
35—39	6432	602	796	894	1016	948	574	539	302	210	148	48
40—44	920	84	40	60	92	100	112	86	70	55	124	48
45 and above	180	16	12	20	32	8	20	12	16	16	20	4
Not reported	359	16	32	16	4	..	..	4	..	8	8	263
Total	200106	80964	52650	41202	12994	5272	2694	1511	552	359	304	695

TABLE 11
Live birth by religion

District	Rural/ Urban	Total births	Hindus	Muslims	Christians	Others
1	2	3	4	5	6	7
Trivandrum	Rural	17288	10892	2150	4216	30
	Urban	33293	25813	4459	2997	24
	Total	50581	36705	6609	7213	54
Quilon	Rural	38637	23846	6273	8483	35
	Urban	17159	10462	3107	3587	3
	Total	55796	34308	9380	12070	38
Alleppey	Rural	23269	15043	1666	6532	28
	Urban	19836	12815	2593	4428	..
	Total	43105	27858	4259	10960	28
Kottayam	Rural	22502	9753	1468	11228	53
	Urban	11342	6532	531	4279	..
	Total	33844	16285	1999	15507	53
Idukki	Rural	13612	7096	833	5649	34
	Urban	3459	1326	552	1581	..
	Total	17071	8422	1385	7230	34
Ernakulam	Rural	16698	7197	1632	7847	22
	Urban	33827	15165	6669	11981	12
	Total	50525	22362	8301	19828	34

TABLE 11—(cont.)

District	Rural/ Urban	Total births	Hindus	Muslims	Christians	Others
1	2	3	4	5	6	7
Trichur	Rural	27258	15472	6795	4955	36
	Urban	23781	13850	3579	6352	..
	Total	51039	29322	10374	11307	36
Palghat	Rural	38803	25379	12267	1089	68
	Urban	7903	6235	1490	178	..
	Total	46706	31614	13757	1267	68
Malappuram	Rural	61867	14712	45983	1077	95
	Urban	9865	3516	6232	117	..
	Total	71732	18228	52215	1194	95
Kozhikode	Rural	27543	13133	13161	1209	40
	Urban	26035	15991	9274	770	..
	Total	53578	29124	22435	1979	40
Wynad	Rural	11745	5000	3902	2819	24
	Urban	..	..	..	..	..
	Total	11745	5000	3902	2819	24
Cannanore	Rural	55043	31954	17511	5430	148
	Urban	13606	7574	5798	234	..
	Total	68649	39528	23309	5664	148
Kerala	Rural	354265	179477	113641	60534	613
	Urban	200106	119279	44284	36504	39
	Total	554371	298756	157925	97038	652

TABLE 13
Sex ratio of births—(Rural/Urban) District-wise

District	Live births		Sex ratio	
	Rural	Urban		
	Male	Female		
1	2	3	4	
			5	
Trivandrum	Rural	8809	8479	963
	Urban	16943	16350	965
	Total	25752	24829	964
Quilon	Rural	19805	18832	951
	Urban	8833	8326	943
	Total	28638	27158	948
Alleppey	Rural	11947	11322	948
	Urban	10273	9563	931
	Total	22220	20885	940
Kottayam	Rural	11573	10929	944
	Urban	5930	5412	913
	Total	17503	16341	934
Idukki	Rural	6948	6664	959
	Urban	1774	1685	950
	Total	8722	8349	957
Ernakulam	Rural	8510	8188	962
	Urban	17516	16311	931
	Total	26026	24499	941
Trichur	Rural	13919	13339	958
	Urban	12244	11537	942
	Total	26163	24876	951

TABLE 13—(cont.)

District	Rural	Live births		Sex ratio
		Male	Female	
1	2	3	4	5
Palghat	Rural	19720	19083	968
	Urban	4077	3826	938
	Total	23797	22909	963
Malappuram	Rural	31891	29976	940
	Urban	5146	4719	917
	Total	37037	34695	937
Kozhikode	Rural	14149	13394	947
	Urban	13428	12607	939
	Total	27577	26001	943
Wynad	Rural	6027	5718	949
	Urban	..	..	..
	Total	6027	5718	949
Cannanore	Rural	28519	26524	930
	Urban	7068	6538	925
	Total	35587	33062	929
State	Rural	181817	172448	948
	Urban	103232	96874	938
	Total	285049	269322	945

TABLE I4
 Month-wise distribution of deaths (Rural/Urban) 1981

Rural/Urban	Total	January	February	March	April	May	June
I	2	3	4	5	6	7	8
State	124018	9811	9258	9776	8542	9664	10984
Rural	89560	6963	6721	6918	5937	6928	8186
Urban	34458	2848	2537	2858	2605	2736	2798

TABLE 14—(cont.)

Rural/Urban	July	August	September	October	November	December
	9	10	11	12	13	14
State	12451	12175	11010	10317	10005	10025
Rural	9093	8919	7984	7404	7191	7316
Urban	3358	3256	3026	2913	2814	2709

TABLE 15
Deaths by age and sex

Age	Total		Rural		Urban				
	Male	Female	Male	Female	Male	Female			
1	2	3	4	5	6	7	8	9	10
Below 1 year	5027	3840	8867	2380	1944	4324	2647	1896	4543
1-4 years	4197	3287	7484	1726	1767	3493	2471	1520	3991
5-14 "	3753	2548	6301	1325	1136	2461	2428	1412	3840
15-24 "	3500	2408	5908	1572	1388	2960	1928	1020	2948
25-34 "	3848	2483	6331	1853	1303	3156	1995	1180	3175
35-44 "	4660	2669	7329	2746	1496	4242	1914	1173	3087
45-54 "	7261	3433	10694	5342	2268	7610	1919	1165	3084
55-64 "	10095	5793	15888	7670	4040	11710	2425	1753	4178
65 and above	28968	25459	54427	25657	23396	49053	3311	2063	5374
Age not reported	439	350	789	324	227	551	115	123	238
Total	71748	52270	124018	50595	38965	89560	21153	13305	34458

TABLE 16

Deaths by religion

District	Total	Hindus	Muslims	Christians	Others
	2	3	4	5	6
Trivandrum	12206	8792	821	1997	596
Quilon	11237	7677	1147	2369	44
Alleppey	11855	8050	728	3044	33
Kottayam	8636	4211	333	3970	122
Idukki	3235	1756	205	1258	16
Ernakulam	11423	5746	1255	4374	48
Trichur	11878	7848	1478	2524	28
Palghat	12922	10484	2124	271	43
Malappuram	11140	4328	6617	170	25
Kozhikode	13526	8507	4234	751	34
Wynad	2080	1121	508	439	12
Cannanore	13880	9651	3306	881	42
Total	124018	78171	22756	22048	1043
Kerala	..	..	..	..	..

TABLE 17
Deaths by cause (urban)

Cause of death	District														Total
	Trivandrum	Quilon	Alleppey	Kottayam	Idukki	Ernakulam	Trichur	Palghat	Malappuram	Kozhikode	Wynad	Cannanore			
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Fever	608	141	107	51	21	623	267	93	107	748	..	81	2847		
Dysentery and Diarrhea	316	88	65	32	16	308	196	78	162	507	..	56	1824		
Complications of pregnancy, delivery and abortion	8	12	23	16	4	31	28	30	18	31	..	12	213		
Respiratory diseases	704	48	72	18	11	419	107	41	78	631	..	92	2221		
Pulmonary T.B.	248	206	410	64	31	283	197	184	107	310	..	202	2242		
Whooping cough	2	6	9	..	..	3	..	2	..	5	..	..	27
Tetanus	38	42	31	14	..	7	..	..	..	7	..	..	139
Diphtheria	..	2	8	..	..	11	..	12	..	4	..	..	43
Snake bite	..	3	8	..	..	..	8	8	..	6	..	4	59
Polio	48	16	32	10	..	19	6	11	..	22	..	13	177		
Cancer	263	140	207	71	22	302	186	187	149	308	..	146	1981		
Leprosy	..	38	22	..	..	18	6	14	8	27	..	14	147
Typhoid	128	60	61	47	9	342	153	27	41	306	..	43	1217		
Pneumonia	356	38	30	34	10	281	84	71	68	692	..	27	1691		
Jaundice	420	132	79	..	..	67	216	56	16	175	..	83	1244
Food poison	107	81	36	44	23	239	167	44	106	303	..	92	1242		
Diabetes	315	108	107	61	18	492	106	122	174	338	..	123	1965		

TABLE 17—(cont.)

Cause of death	2	3	4	5	6	7	8	9	10	11	12	13	14
Trivandrum	Quilon	Alleppey	Kottayam	Idukki	Ernakulam	Trichur	Palghat	Malappuram	Kozhikode	Wynad	Cannanore	Total	
Worm trouble	31	6	18	23	8	42	37	41	31	48	19	304	
Anaemia	320	147	408	52	..	136	154	260	68	286	147	1978	
Mental disorders	38	42	57	31	..	58	16	24	..	58	11	335	
Heart diseases	460	65	308	39	13	363	210	142	86	508	106	2300	
Intestinal complaints	216	108	193	52	..	106	92	162	80	182	48	1239	
Stomach complaints	63	14	80	39	..	62	16	32	11	92	19	428	
Liver complaints	147	58	206	108	14	212	107	61	..	188	36	1137	
Rheumatic complaints	747	293	248	51	12	272	148	132	352	413	210	2878	
Suicide	42	38	67	18	2	94	83	48	22	67	42	523	
Homicide	36	47	59	45	12	82	42	40	18	51	23	455	
Infections of new born	96	32	27	36	4	107	36	31	41	77	30	517	
Accidents	108	42	107	21	9	53	140	43	18	67	92	700	
Others	209	42	169	125	24	149	294	70	67	102	74	1325	
Not reported	240	44	132	84	16	93	104	88	27	151	81	1060	
Total	6314	2139	3386	1195	285	5275	2212	2154	1862	6710	1926	34458	

TABLE 18

Infant deaths in the State by sex and age

Cause of death	Age	Rural		Urban		Total	
		M	F	M	F	M	F
Not reported	..	18	104	28	121	46	165
Cholera	..	34	304	19	103	53	307
Scarlet fever	..	7	140	43	63	50	210
Infections of respiratory tract	..	4	30	31	52	35	87
Diphtheria	..	1	8	1	1	2	3
Whooping cough	..	1	84	48	83	49	132
Enteric febrile conditions	..	1	148	125	112	136	248
Typhoid fever	..	1	10	1	5	2	6
Stomach and intestinal diseases	..	1	19	43	25	44	64
Diarrhoea	..	1	100	125	185	126	311
Measles	..	13	203	145	208	158	366
Whooping cough	..	28	11	34	18	62	80
Scarlet fever	..	12	12	30	48	42	90
Measles	..	4	45	41	48	85	93
Whooping cough	..	2	3	4	5	6	7
Below 24 hours	..	385	315	442	343	827	658
1-6 days	..	314	278	283	331	597	609
7 days to below 1 month	..	261	199	451	294	712	493
1 month to below 3 months	..	375	329	491	360	866	689
3 months to below 6 "	..	441	348	400	272	841	620
6 months to below 12 "	..	604	475	580	296	1184	771
Total	..	2380	1944	2647	1896	5027	3840

TABLE 18--(cont.)

TABLE 19

Infant death by sex

<i>District</i>	<i>Rural/ Urban</i>	<i>Male</i>	<i>Female</i>	<i>Total</i>
(1)	(2)	(3)	(4)	(5)
Trivandrum	Rural	79	73	152
	Urban	448	348	796
	Total	527	421	948
Quilon	Rural	237	157	394
	Urban	178	146	324
	Total	415	303	718
Alleppey	Rural	96	83	179
	Urban	157	118	275
	Total	253	201	454
Kottayam	Rural	258	218	476
	Urban	61	51	112
	Total	319	269	588
Idukki	Rural	199	147	346
	Urban	28	19	47
	Total	227	166	393
Ernakulam	Rural	140	99	239
	Urban	372	274	646
	Total	512	373	885
Trichur	Rural	152	130	282
	Urban	231	138	419
	Total	433	268	701
Palghat	Rural	333	285	618
	Urban	131	147	328
	Total	514	432	946
Malappuram	Rural	239	231	520
	Urban	143	129	272
	Total	432	360	792
Kozhikode	Rural	100	90	190
	Urban	628	433	1061
	Total	728	523	1251
Wyanad	Rural	95	95	190
	Urban	..	..	..
	Total	95	95	190
Cannanore	Rural	402	336	738
	Urban	170	93	263
	Total	572	429	1001
State	Rural	2380	1944	4324
	Urban	2647	1896	4543
	Total	5027	3840	8867

TABLE 20
Maternal deaths by age at death

Age of death	Total		Rural		Urban excluding towns with population 30000 and over		Towns with population 30000 and over	
	1	2	3	4	5	6	7	
Below 15	..	41	25	3	..	13	..	
15 — 19	..	37	20	..	3	13	..	
20 — 24	..	23	13	..	4	9	..	
25 — 29	..	3	1	..	1	2	..	
30 — 34	..	1	..	..	..	1	..
35 — 39	
40 — 44	
45 — 49	
50 and above	
All ages		105	59	8	38			

320

