



GOVERNMENT OF KERALA

**WOMEN  
IN  
KERALA-1989**

**DEPARTMENT OF ECONOMICS & STATISTICS  
TRIVANDRUM**

**1989**



GOVERNMENT OF KERALA

WOMEN IN KERALA

1989

DEPARTMENT OF ECONOMICS & STATISTICS

TRIVANDRUM



## P R E F A C E

The Department of Economics & Statistics published three booklets entitled "**Women in Kerala**" during the U.N. sponsored International Women's Decade 1975-85. The statistical details furnished in these publications were found to be very useful for the participants of various seminars conducted during the decade and also for planners, researchers and other data users. The present volume, the fourth in the series, was prepared in the Publication Division of the Directorate of Economics and Statistics. It is hoped that this publication would be of considerable use to the planners for evaluating the various women's programmes implemented so far and for formulating suitable schemes during the Eighth Five Year Plan. It is also hoped that this booklet would serve as a background material for a better discussion in the ensuing 'International Workshop on Women's Studies' to be held at Trivandrum during the last week of April 1989.

In this context, I wish to acknowledge the valuable suggestions provided by Smt. Padma Ramachandran, Director, Institute of Management in Government, Trivandrum. I also thank my colleagues who have put in considerable efforts in bringing out this publication within a short period of time.

Trivandrum,  
17--4--1989.

**P. L. Sreedevi Amma**  
**Director of Economics & Statistics**



## CONTENTS

Chapter	pages
I. Population	1
II. Education	15
III. Health	29
IV. Employment & unemployment	37
V. Miscellaneous	45

...





**Selected indicators of development of women in Kerala and India**

Sl. No.	Items	Unit	Kerala					India				
			1961	1971	1981	1986	1961	1971	1981	1986		
1	2	3	4	5	6	7	8	9	10	11		
1.	Female population	Lakhs	85	108	129	-	2129	2640	3308	-		
2.	Sex ratio	No.	1022	1016	1032	-	941	932	934	-		
3.	Literacy rate (females)	%	38.9	54.3	65.7	-	13.0	18.4	24.8	-		
4.	Literacy rate of SC - females	"	17.4	33.4	49.7	-	3.3	6.4	10.9	-		
5.	Literacy rate of ST - females	"	11.9	19.4	26.0	-	3.2	4.9	8.0	-		
6.	Infant mortality rates combined	per 1000 live births	-	61	37	27	-	122	110	96		
	Rural	"	-	60	40	28	-	138	119	105		
	Urban	"	-	48	24	20	-	82	62	62		
7.	Married couples	per 1000 popln.	151	140	146	-	-	170	165	-		
8.	Child-woman ratio* per 1000 women		700	550	409	-	659	655	546	-		
9.	Mean age at marriage	years	26.3	26.7	27.7	-	20.0	22.4	23.4	-		
	males	"	19.8	21.1	21.9	-	14.5	17.2	18.7	-		
10.	Expectation of life at birth	"	46.2	60.5	60.6	-	41.9	46.4	54.1	-		
	males	"	50.0	61.1	62.1	-	40.6	44.7	54.7	-		
	females	lakhs	16.8	14.5	21.5	-	595.0	313.0	635.2	-		
11.	Total workers - females	lakhs	19.7	13.5	16.6	-	28.0	11.9	19.8	-		
12.	Proportion of female workers to total female population	%	80.3	86.5	83.4	-	72.0	88.1	80.2	-		
13.	Proportion of female non-workers	%	80.3	86.5	83.4	-	72.0	88.1	80.2	-		

\*children in the age group of 0-4/1000 women.



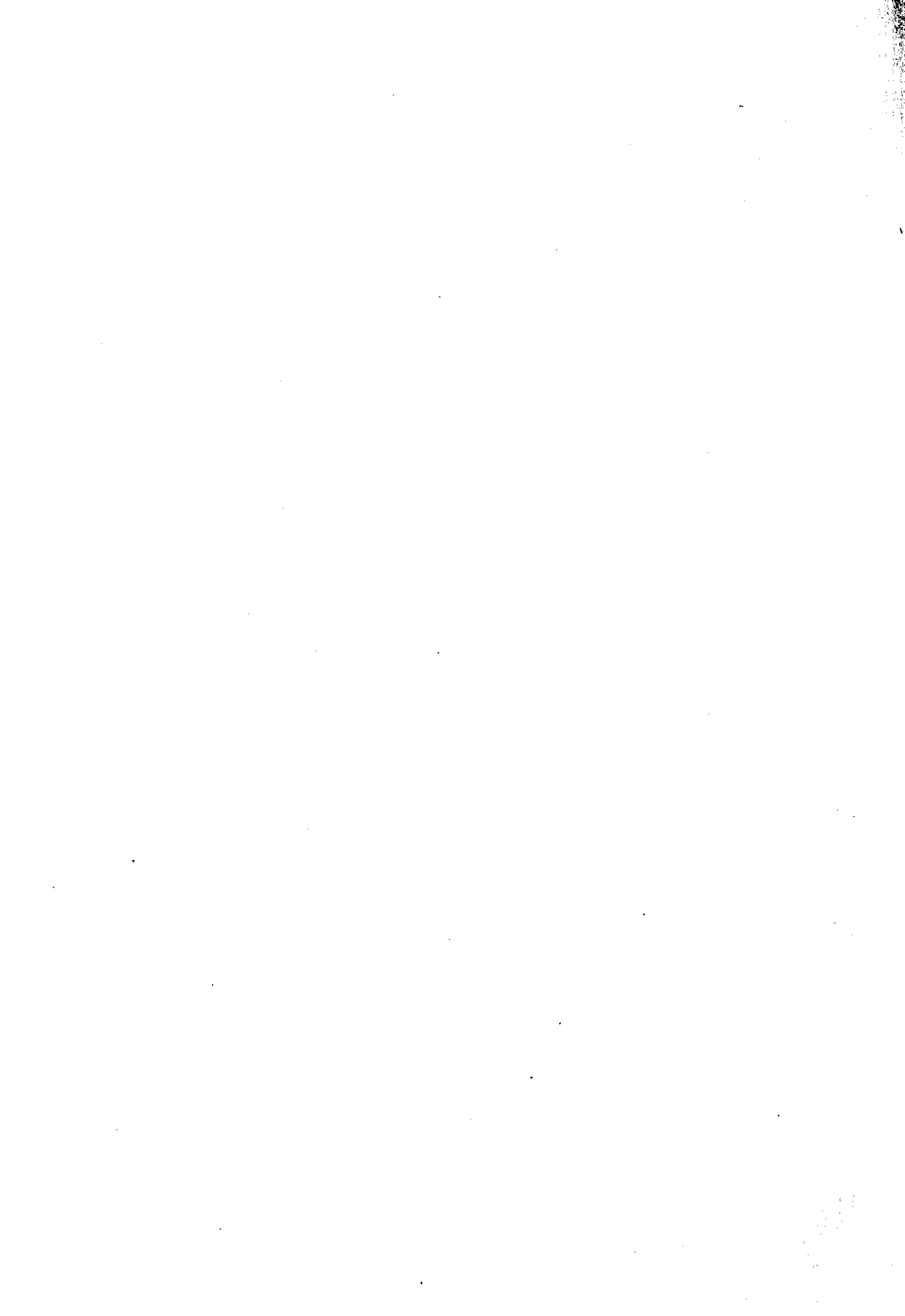
---

## I. POPULATION

---

1.1	Area, population, sex ratio, density of population in southern states and India 1981	1
1.2	District-wise area, population, sex ratio, density 1981	1
1.3	Age-wise female population in Kerala 1981	2
1.4	District-wise projected population of Kerala 1985-91	2
1.5	Projected population of India 1985-91	3
1.6	District-wise distribution of SC & ST (women) 1981	3
1.7	Religion-wise female population in southern states of India 1981	4
1.8	Distribution of population according to marital status in southern states and in India 1981	6
1.9	Age-wise distribution of population according to marital status in Kerala 1981	7
1.10	Child women & dependency ratios 1981	8
1.11	Selected nuptiality indicators 1971 & 1981	9
1.12	Important vital rates in southern states and in India 1981-86	10
1.13	Fertility indices in southern states and in India 1981-85	"
1.14	Percentage distribution of births by type of medical attention 1985	11
1.15	Percentage distribution of deaths according to type of medical attention 1985	"
1.16	Mean age at marriage 1971 & 1981	12
1.17	Expectation of life at birth in Kerala (rural) 1979-86	"
1.18	Expectation of life at birth in India (Census estimate) 1901-1981	"
1.19	Expectation of life at birth (projected) in southern states and in India 1981-2001	13

.....



**1.1 Area, population, sex ratio , density of population in southern states of India - 1981**

State	Area sq.km.	Population		% of female	Sex ratio	Density of popln./ sq.km.
		Total	Female			
1	2	3	4	5	6	7
Kerala	38863	25453680	12925913	50.78	1032	655
Andhra pradesh	275068	53549673	26440751	49.38	975	195
Karnataka	191791	37135714	18213087	49.04	963	194
Tamilnadu	130058	48409077	23920453	49.41	977	372
<b>India</b>	<b>*3287263</b>	<b>*685184692</b>	<b>330786808</b>	<b>48.28</b>	<b>933</b>	<b>216</b>

Source: Census 1981 \* including the area & projected population of Assam

**1.2 Area, population, sex ratio, density of population of Kerala district-wise**

District	Area sq.km.	Population		% of female	sex ratio	Density of popln./ sq.km.
		Total	Female			
1	2	3	4	5	6	7
1. Trivandrum	2192	2596112	1316962	50.72	1030	1184
2. Quilon	2579	2276110	1151052	50.57	1021	850
3. Pathanamthitta*	2731	1158836	595712	51.40	1056	406
4. Alleppey	1256	1728849	881946	51.01	1044	1486
5. Kottayam	2204	1697442	848980	50.01	1001	770
6. Idukki	4998	971636	476637	49.05	966	194
7. Ernakulam	2408	2535294	1266120	49.93	998	1053
8. Trichur	3032	2439543	1277868	52.38	1100	805
9. Palghat	4480	2044399	1050203	51.36	1056	456
10. Malappuram	3548	2402701	1231923	51.27	1052	677
11. Kozhikode	2345	2245265	1133856	50.49	1021	957
12. Wayanad	2132	554026	269765	48.69	951	260
13. Cannanore	2997	1930726	984173	50.97	1039	644
14. Kasaragod*	1961	872741	440716	50.49	1021	445
<b>State</b>	<b>38863</b>	<b>25453680</b>	<b>12925913</b>	<b>50.73</b>	<b>1032</b>	<b>655</b>

Source: Census 1981

\* estimated

### 1.3 Age-wise rural and urban female population in Kerala 1981

Age group	State		Rural		Urban	
	Female	Total	Female	Total	Female	Total
1	2	3	4	5	6	7
All ages	12925913	25453680	10514988	20882405	2410925	4771275
0 - 4	1348532	2740498	1117768	2267733	230764	472765
5 - 9	1438754	2923855	1186191	2408370	252563	515485
10 - 14	1604045	3248253	1318323	2668485	285722	579768
15 - 19	1566497	3010177	1269026	2436635	297471	573542
20-24	1369822	2620391	1105974	2107135	263848	513256
25-29	1081600	2081313	867245	1660247	214355	421066
30-34	788965	1577747	630298	1251916	158667	325831
35-39	726434	1400859	592187	1134316	134247	266543
40-44	571446	1133124	462037	913648	109409	219476
45-49	593793	1169940	482555	949350	111238	220590
50-54	438975	884739	352666	710649	86309	174090
55-59	372166	741329	297964	594813	74202	146516
60-64	352302	683188	287751	561166	64551	122022
65-69	278994	518999	224598	425136	54396	93863
70-74	174606	321154	140599	260216	34007	60938
75-79	112595	204862	92764	171100	19831	33762
80 +	103661	189079	84767	157989	18894	31090
Age not stated	2726	4173	2275	3502	451	672

Source : Census 1981

### 1.4 District-wise projected population of Kerala as on 1st march ('000s)

District	1985	1986	1987	1988	1989	1990	1991
1	2	3	4	5	6	7	8
1. Trivandrum	2788	2838	2889	2941	2994	3048	3103
2. Quilon	2355	2397	2441	2485	2529	2575	2621
3. Pathanamthitta	1190	1211	1233	1255	1277	1301	1324
4. Alleppey	2004	2040	2076	2114	2152	2191	2230
5. Kottayam	1823	1856	1889	1923	1958	1993	2029
6. Idukki	1041	1059	1079	1098	1118	1138	1159
7. Ernakulam	2723	2772	2822	2872	2924	2977	3030
8. Trichur	2619	2667	2715	2764	2814	2864	2916
9. Palghat	2196	2235	2275	2317	2358	2400	2444
10. Malappuram	2580	2627	2674	2722	2771	2821	2872
11. Kozhikode	2411	2455	2499	2544	2590	2636	2684
12. Wayanad	595	606	617	628	639	651	662
13. Cannanore	2074	2111	2149	2187	2227	2267	2308
14. Kasaragod	937	954	971	989	1007	1025	1043
<b>State</b>	<b>27536</b>	<b>27828</b>	<b>28329</b>	<b>28839</b>	<b>29358</b>	<b>29887</b>	<b>30425</b>

## 1.5 Projected population of India as on 1st march 1985 - 1991

Year	Population in '000s		
	Persons	Males	Females
1	3	4	5
1985	745796	385060	360736
1986	761070	392787	368283
1987	776338	400507	375831
1988	791567	408205	383362
1989	806772	415891	390881
1990	821893	423587	398406
1991	837249	431301	405948

## 1.6 District-wise distribution of scheduled castes and scheduled tribes women in Kerala 1981

District	Scheduled caste			Scheduled tribe		
	Total popln.	Female	% of female	Total popln.	Female	% of female
1	2	3	4	5	6	7
1. Trivandrum	284279	145239	10.95	14145	7161	0.54
2. Quilon	347567	175225	12.35	7442	3684	0.26
3. Alleppey	235423	118698	10.02	3273	1635	0.14
4. Kottayam	119377	59451	7.03	15227	7660	0.90
5. Idukki	133177	66280	13.71	38712	18979	3.98
6. Ernakulam	216443	108431	8.54	3551	1723	0.14
7. Trichur	302085	154298	12.38	3227	1561	0.13
8. Palghat	376424	191888	18.41	28794	14241	1.41
9. Malappuram	208018	105561	8.66	7955	4084	0.33
10. Kozhikode	161715	81461	7.20	3888	1934	0.17
11. Wayanad	21130	10195	3.81	95557	48010	17.25
12. Cannanore	143744	71781	5.13	39704	19560	1.42
<b>State</b>	<b>2549382</b>	<b>1288508</b>	<b>10.02</b>	<b>261475</b>	<b>130232</b>	<b>1.03</b>

Source : Census 1981.

### 1.7 Religion-wise female population in southern states of India 1981

Religion/ Community	Kerala			Andhra Pradesh			Karnataka		
	No of household	Population		No. of household	Population		No. of household	Population	
		Total	Female		Total	Female		Total	Female
1	2	3	4	5	6	7	8	9	10
Hindus	2680848	14801347	7534188 (58.29)	9751075	47525681	23481611 (88.82)	5559558	31906793 (85.96)	15656797
Muslims	815297	5409687	2752461 (21.30)	812402	4533700	2221737 (8.41)	643868	4104616 (11.00)	2002896
Christians	925414	5233865	2635369 (20.39)	310827	1433327	711949 (2.69)	140788	764449	381990 (2.10)
Sikhs	260	1295	461 (0.00)	3147	16222	6640 (0.03)	1254	6401	2656 (0.01)
Budhist	26	223	35 (0.00)	2533	12930	6143 (0.02)	8134	42147	19523 (0.11)
Jains	710	3605	1746 (0.01)	2839	18642	8369 (0.03)	45850	297974	142999 (0.79)
Other religous & persuasions	90	499	250 (0.00)	208	851	373 (0.00)	2534	12901	6031 (0.03)
Religion not stated	632	3159	1403 (0.01)	1820	8320	3929 (0.01)	121	433	195 (0.00)
<b>Total</b>	<b>4423277</b>	<b>25453680</b>	<b>12925913</b> (100.00)	<b>10884351</b>	<b>53549673</b>	<b>26440751</b> (100.00)	<b>6402107</b>	<b>37135714</b>	<b>18213087</b> (100.00)

(contd.)



(table 1.7 contd.)

Religion/ community	Tamil nadu			*India		
	No. of household	population		No. of household	population	
		Total	Female		Total	Female
1	11	12	13	14	15	16
Hindus	9233041	43016546	21225461 (88.73)	100401074	549779481	265386539 (82.59)
Muslims	461902	2519947	1263002 (5.29)	12200386	75512439	36522676 (11.37)
Christians	572558	2798048	1397207 (5.85)	3060853	16165447	8051878 (2.51)
Sikhs	882	4395	1849 (0.00)	2105790	13078146	6120255 (1.91)
Budhist	151	735	319 (0.00)	909219	4719796	2303016 (0.72)
Jains	8347	49564	23553 (0.10)	544780	3206038	1554677 (0.49)
Other religous & persuasions	3689	16972	8132 (0.03)	538447	2766285	1390179 (0.44)
Religion not stated	432	1870	930 (0.00)	11996	60217	28206 (0.01)
<b>Total</b>	<b>10281002</b>	<b>48408077</b>	<b>23920453</b> (100.00)	<b>119772545</b>	<b>665287849</b>	<b>321357426</b> (100.00)

Source: Census of India 1981, series 10, Kerala

\* excludes Assam.

1.8 Distribution of population according to marital status in southern states of India 1981

Marital status	Kerala		Andhra pradesh		Karnataka		Tamilnadu		India	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	2	3	4	5	6	7	8	9	10	11
Never married	7710891 (61.55)	6573276 (50.86)	14310334 (52.79)	11234836 (42.59)	11237426 (59.40)	8764645 (48.13)	13643038 (55.72)	10887591 (45.52)	190057835 (55.26)	147019928 (45.75)
Married	4635528 (37.01)	4995569 (38.65)	12101352 (44.65)	12327593 (46.63)	7307888 (38.63)	7649074 (42.00)	10227197 (41.76)	10477377 (43.80)	144617526 (42.06)	147139174 (45.79)
Widowed	143051 (1.15)	1174180 (9.09)	581770 (2.16)	2689004 (10.18)	346324 (1.84)	1731489 (9.52)	555053 (2.27)	2393097 (10.00)	8363010 (2.44)	25767260 (8.03)
Divorced/ separated	36453 (0.29)	180919 (1.40)	106949 (0.40)	180140 (0.69)	22211 (0.13)	63976 (0.35)	60123 (0.25)	160983 (0.68)	795402 (0.24)	1356309 (0.43)
<b>Total</b>	<b>12527767</b> (100.00)	<b>12925913</b> (100.00)	<b>27108222</b> (100.00)	<b>26440751</b> (100.00)	<b>18922627</b> (100.00)	<b>18213087</b> (100.00)	<b>24487624</b> (100.00)	<b>23920453</b> (100.00)	<b>343930423</b> (100.00)	<b>321357426</b> (100.00)

1.9 Age-wise distribution of population according to marital status in Kerala 1981

Age group	Total population		Never married		Married		Widowed		Divorced/separated	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	2	3	4	5	6	7	8	9	10	11
All ages	12527767	12925913	7710891	6573276	4635528	4995569	143051	1174180	36453	180919
0 - 9	2858757	2784079	2858757	2784079	--	--	--	--	--	--
10 - 14	1643156	1614766	1641484	1609488	1492	4804	35	140	25	135
15 - 19	1439467	1568009	1433648	1339162	5575	221522	26	1044	74	5881
20 - 24	1256379	1364026	1095391	548131	158963	789293	219	6250	1607	19941
25 - 29	1005881	1082671	459261	135449	541440	905043	1072	15489	3799	26564
30 - 34	792142	789701	113737	45749	672584	691725	1853	25809	3754	26308
35 - 39	671149	727863	32454	25084	638251	632562	2441	45704	3883	24391
40 - 44	561852	569376	18932	19568	535304	465117	3917	63860	3599	20675
45 - 49	578084	595053	16641	17452	550272	456042	7192	101682	3914	19760
50 - 54	445595	445483	11968	13714	420087	302957	9944	115641	3516	13080
55 - 59	371860	370119	8698	10367	346753	221680	13254	128884	3081	9132
60 - 64	330469	348886	7427	10039	309062	148513	19706	182491	3208	7768
65 - 69	241250	277414	5533	7105	211855	97378	21415	174586	2374	4309
70 +	324556	387215	6190	6914	252653	64734	61967	312524	3614	2975

Source: Census of India 1981, Part IV A Social and cultural tables - Includes persons with unspecified marital status

1.10 Proportion of population in age groups 0-4 & 5-9 1971-81 child woman ratio 1971-81 & dependency ratio 1981

State/India	Percentage of population				Child women ratio				Dependency ratio 1981
	0 - 4		5 - 9		P (0-4)/F(15-49)		P(5-9)/F(20-54)		
	1971	1981	1971	1981	1971	1981	1971	1981	
1	2	3	4	5	6	7	8	9	10
Kerala	13.38	10.69	13.47	11.48	550	406	666	524	738
Andhra pradesh	13.83	12.15	14.63	14.16	599	513	694	661	825
Karnataka	14.91	12.43	14.87	13.98	652	536	762	691	859
Tamilnadu	13.09	11.14	13.17	11.96	531	434	590	531	707
India	14.51	12.55*	14.96	14.08*	655	*545	755	*696	*854

- Note:-
1. Columns 8, 9 calculated as the ratio of children in the age group 0-4 to 1,000 women in the age group 15-49.
  2. Columns 11, 12 calculated as the ratio of children in the age group 5-9 to 1,000 women in the age group 20-54.
  3. Dependency ratio has been calculated as number of persons in age groups 0-14 and 60 & above per 1,000 persons in age group 15-59.

\* excludes Assam & based on unsmoothed age data for 1981 census.

Source: Family welfare programme in India year book 1986-87.

1.11 Selected nuptiality indicators - southern states and India 1971 and 1981\* census

State	Census year	No. of married females between 15-44 years (in '000s)	Proportion of married females in age groups			Signulate mean age at marriage		Rate of married couples per 1000 population
			15-44	15-19	20-24	Male	Female	
			4	5	6	7	8	
1	2	3	4	5	6	7	8	9
Kerala	1981	3705	60.73	14.13	57.86	27.25	21.82	146
	1971	2981	63.10	18.13	64.16	26.74	21.01	140
Andhra pradesh	1981	9680	84.04	56.23	90.21	23.02	17.26	181
	1971	7846	85.35	66.86	92.66	22.71	16.22	180
Karnataka	1981	6012	76.08	36.24	78.88	25.86	19.21	162
	1971	4794	80.45	49.61	86.84	25.03	17.80	164
Tamil nadu	1981	8134	72.62	22.81	75.49	26.00	20.25	168
	1971	6974	75.98	26.77	81.19	25.92	19.58	169
India	**1981	112172	80.51	43.44	84.46	23.29	18.33	169
	1971	93144	83.90	55.41	88.83	22.36	17.16	170

\* Based on 20% sample

\*\*excludes Assam

Source: Family welfare programme in India year book 1986-87.

### 1.12 Important vital rates in southern state of India 1981-86

Years	Kerala			Andhra pradesh			Karnataka			Tamil nadu			India		
	Birth rate	Death rate	Infant mortality rate	Birth rate	Death rate	Infant mortality rate	Birth rate	Death rate	Infant mortality rate	Birth rate	Death rate	Infant mortality rate	Birth rate	Death rate	Infant mortality rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1981	25.6	6.6	37	31.7	11.1	86	28.3	9.1	69	28.0	11.8	91	33.9	12.5	110
1982	26.2	6.6	30	31.2	10.6	79	27.9	9.2	65	27.7	11.2	83	33.8	11.9	105
1983	24.9	6.7	33	30.8	10.4	77	29.1	9.3	71	27.9	11.7	87	33.7	11.9	105
1984	22.9	6.4	29	31.2	11.0	78	30.3	9.6	74	28.0	10.8	78	33.9	12.6	104
1985	23.3	6.5	31	29.9	10.3	83	29.6	8.8	69	24.7	9.5	81	32.9	11.8	97
1986*	22.4	6.7	27	31.4	9.9	82	28.8	8.6	74	23.7	9.4	80	32.4	11.1	96

Source: Family welfare programme in India - year book 1986-87

Year 1986 - Sample registration bulletin India December 1987 Vol.XXI No.2

\* provisional

10

### 1.13 Fertility indices of southern states of India 1981 to 1985

Year	Kerala			Andhra pradesh			Karnataka			Tamil nadu			India		
	GFR	TFR	GRR	GFR	TFR	GRR	GFR	TFR	GRR	GFR	TFR	GRR	GFR	TFR	GRR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1981	94.7	2.8	1.4	127.1	4.0	2.0	113.9	3.6	1.7	107.0	3.4	1.6	140.9	4.5	2.2
1982	97.0	2.9	1.4	127.3	3.9	1.9	114.3	3.6	1.7	107.2	3.3	1.6	142.2	4.5	2.2
1983	91.9	2.6	1.2	127.2	3.9	1.9	120.1	3.7	1.8	107.2	3.3	1.6	143.5	4.5	2.1
1984	83.6	2.4	1.2	130.4	4.0	1.9	125.2	3.8	1.8	108.0	3.3	1.6	145.2	4.5	2.2
1985	83.9	2.4	1.2	122.2	3.7	1.8	122.2	3.6	1.7	94.1	2.8	1.4	138.7	4.3	2.0

GFR - General fertility rate TFR-Total fertility rate GRR-Gross reproduction rate

Source: Family welfare programme year book 1986-87.

**1.14 Percentage distribution of sample births by type of medical attention at birth 1985**

State	Sector	Type of medical attention at birth			
		I	T	U	O
1	2	3	4	5	6
Kerala	Rural	28.0	20.4	31.0	20.6
	Urban	77.8	11.8	4.9	5.5
	Combined	39.8	18.4	24.8	17.0
Andhra pradesh	Rural	13.1	20.2	51.8	14.9
	Urban	65.7	14.5	13.4	6.4
	Combined	29.3	18.4	40.0	12.3
Karnataka	Rural	16.4	29.8	21.4	33.2
	Urban	56.6	16.0	6.5	20.9
	Combined	26.3	25.8	17.7	30.2
Tamil nadu	Rural	75.9	7.4	11.6	5.1
	Urban	83.0	9.5	5.7	1.8
	Combined	77.2	7.8	10.5	4.5
India	Rural	13.3	37.2	50.0	19.5
	Urban	47.4	24.9	19.5	8.2
	Combined	19.9	18.7	44.1	17.3

I - Institutions like hospitals, maternity/nursing homes, health centres etc.

T - Delivery conducted at home by doctor, trained midwife, trained nurses etc.

U - Delivery conducted at home by untrained village dai or other untrained professional functionary.

O - Delivery conducted at home by relations & others excluding the above.

### 1.15 Percentage distribution of sample deaths by type of medical attention received before death, 1985

State	Sector	Type of medical attention at death			
		I	M	U	N
1	2	3	4	5	6
Kerala	Rural	30.0	40.0	7.0	23.0
	Urban	43.4	46.9	3.0	6.7
	Combined	32.5	41.3	6.2	29.0
Andhra pradesh	Rural	10.0	14.1	30.0	45.9
	Urban	27.1	44.0	1.0	27.9
	Combined	13.8	20.8	23.5	41.9
Karnataka	Rural	11.0	25.0	8.2	55.8
	Urban	27.9	25.9	4.8	41.4
	Combined	14.3	25.2	7.5	53.0
Tamil nadu	Rural	8.6	16.0	22.0	53.4
	Urban	36.9	34.1	5.7	23.3
	Combined	13.5	19.1	19.2	48.2
India	Rural	8.1	29.4	24.6	37.9
	Urban	26.3	44.8	8.1	20.8
	Combined	10.9	31.7	22.1	35.3

I - If death occurred in a hospital, dispensary, health centre, other medical institutions etc.

M - If the death occurred at home but was attended by a qualified practitioner

U - If the death occurred at home and was attended by an unqualified practitioner

N - No professional doctor/hakim/vaidya attended

Source: Sample registration system 1985

### 1.16 Mean age at marriage\*

State	Males		Females	
	1971	1981	1971	1981
1	2	3	4	5
Kerala	26.74	27.20	21.04	21.87
Andhra pradesh	22.80	23.10	16.84	17.59
Karnataka	25.08	25.91	18.14	19.40
Tamil nadu	25.93	25.99	19.60	20.25
India	22.60	23.41	17.75	18.66

Source: Key population statistics based on 5 per cent sample data 1981 census

\* Refers to singulate mean age at marriage worked out by Hajnal's method.



## 1.17 Expectation of life at birth - Kerala rural

Year	Expectation of life at birth		
	Male	Female	Total
1	2	3	4
1979-81	64.7	69.0	66.8
1980-82	66.3	70.7	68.5
1981-83	66.0	71.8	68.8
1982-84	66.5	73.4	69.7
1983-85	65.7	72.5	68.9
1985-86	66.9	72.8	69.7

Source: DES.

## 1.18 Expectation of life at birth - India (Census estimates)

Year	Males	Females	Combined
1	2	3	4
1901-11	22.6	23.3	22.9
1911-21	19.4	20.9	20.0
1921-31	26.9	26.6	26.8
1931-41	32.1	31.4	31.8
1941-51	32.4	31.7	32.1
1951-61	41.9	40.6	41.3
1961-71	46.4	44.7	45.6
1971-81*	50.9+ (54.1)	50.0+ (54.7)	50.5+ (54.4)

Source: Family welfare programme in India year book 1986-87.

+ based on sample registration system and the figures given within brackets relate to the year 1980.

\* provisional.

## 1.19 Projected value of the expectation of life at birth by sex in the southern states of India

State	Base year 1979-80		Projected value of							
	value of		1981-86		1986-91		1991-96		1996-2001	
	Male	Female	M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11
Kerala	64.19	68.95	65.23	69.87	66.23	71.12	67.23	68.23	72.37	73.62
Andhra pradesh	53.90	57.60	56.10	59.98	59.10	62.23	61.40	63.40	64.48	65.93
Karnataka	57.88	59.11	60.15	61.06	62.15	63.31	64.15	65.55	65.30	66.55
Tamil nadu	56.05	55.63	58.25	57.85	60.85	60.80	62.85	64.88	63.05	65.20
India	54.1*	54.7*	55.6	56.4	58.1	59.1	60.6	62.8	61.7	64.2

Source: Family welfare programme in India year book 1986-87

\* base year 1980.



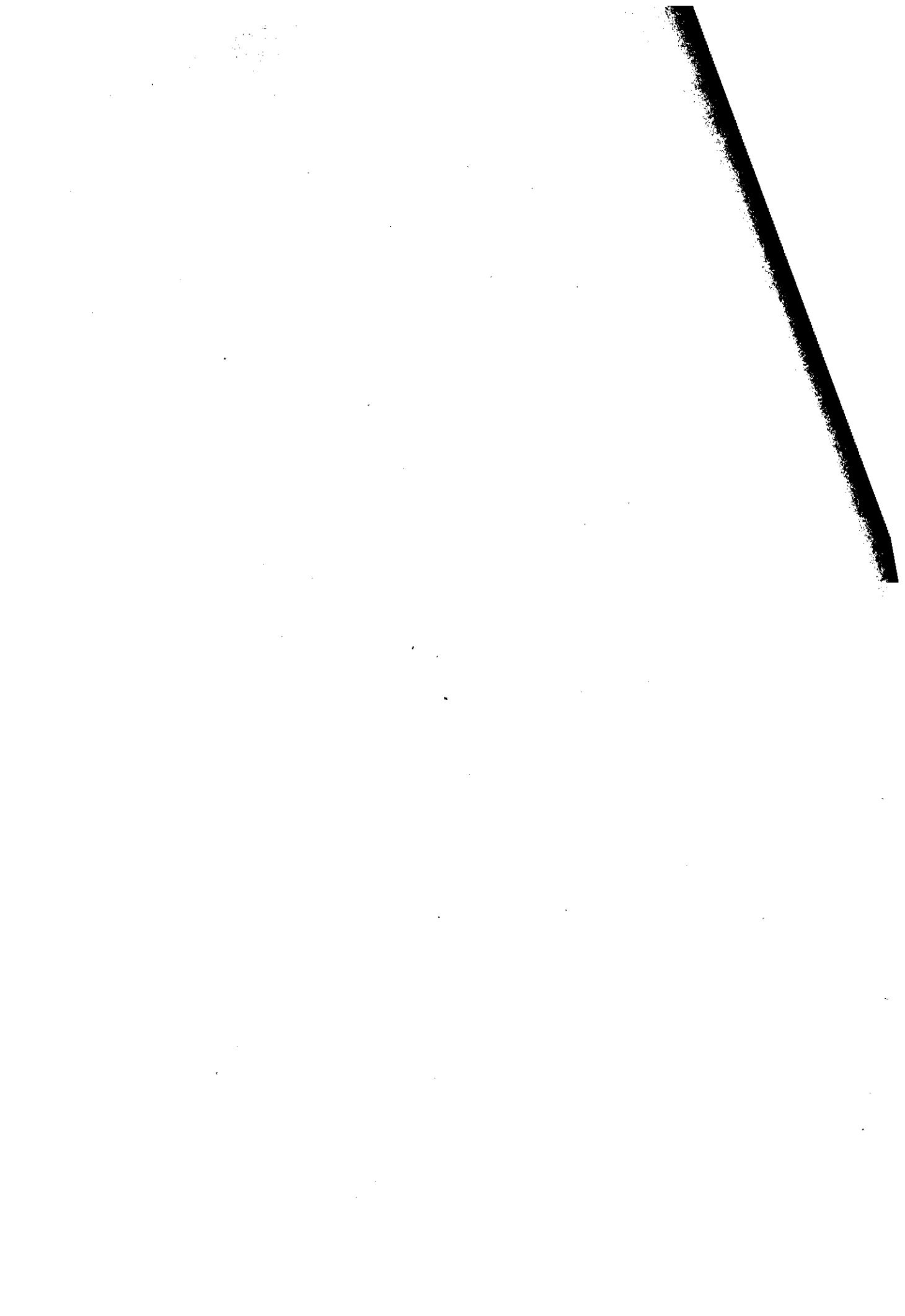
---

## II. EDUCATION

---

2.1	Growth of literacy rates in southern states and in India	17
2.2	Literacy rates by age-groups in Kerala & in India 1971 & 1981	"
2.3	District-wise literacy rates in Kerala 1981	18
2.4	Sex-wise completed level of education in southern states and in India	19
2.5	Section-wise growth in the number of students in schools	20
2.6	Growth in the number of scheduled caste students in schools	"
2.7	Growth in the number of scheduled tribe students in schools	21
2.8	Enrolment of students in schools in southern states & in India	"
2.9	District-wise distribution of students in schools for the year 1986-87	22
2.10	District-wise enrolment of scheduled caste and scheduled tribe girl students in Kerala 1986-87	23
2.11	Students appeared and passed in the SSLC examinations 1976-1987.	"
2.12	Wastage in school education 1974-75 & 1983-84	24
2.13	Number of students in basic training schools 1980-81 - 1985-86	"
2.14	Number of students appeared and passed in TTC examinations 1980-81 to 1986-87	25
2.15	Growth in the number of teachers in schools	"
2.16	Number of teachers in schools - district-wise & sex-wise 1986-87	"
2.17	Enrolment of students in arts & science colleges in Kerala 1981-82 to 1985-86	26
2.18	Teaching staff in arts & science colleges 1980-81 to 1985-86	"
2.19	Intake in various medical courses in Kerala during the year 1988-89	27
2.20	Strength of students under various agricultural and related courses 1984-85	"
2.21	Strength of students in college of co-operation & banking 1984-85	28
2.22	Strength of students in college of fisheries	"
2.23	Per capita expenditure on education in southern states & in India 1970-71 to 1986-87	"

.....



## 2.1 Growth of literacy rates in southern states and in India

Census year	Kerala			Andhra pradesh			Karnataka			Tamil nadu			India		
	P	M	F	P	M	F	P	M	F	P	M	F	P	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1951	40.7	50.2	31.5	13.2	19.7	6.5	19.3	29.1	9.2	20.8	31.6	10.0	16.6*	24.9*	7.9*
1961**	46.8	55.0	38.9	24.6	35.0	14.0	29.8	42.3	16.7	36.4	51.6	21.1	24.0	34.5	13.0
1971	60.4	66.6	54.3	24.6	33.2	15.8	31.5	41.6	21.0	39.5	51.8	26.9	29.5	39.5	18.7
1981	70.4	75.3	65.7	29.9	39.3	20.4	38.5	48.8	27.7	46.8	58.3	35.0	36.2	46.9	24.8

Sources: Statistical Abstract, India 1985, CSO. \* excluding Jammu & kashmit, Pondicherry and North-East Frontier Agency  
P-Persons M-Males F-females \*\* excludes population in the age group 0-4 except for Kerala & India

## 2.2 Literacy rates by age groups - Kerala & India 1971 - 1981

Age group		Kerala						India					
		1971			1981			1971			1981		
		M	F	T	M	F	T	M	F	T	M	F	T
1	2	3	4	5	6	7	8	9	10	11	12	13	
All ages	total	66.6	54.3	60.4	75.2	65.7	70.4	39.5	18.7	29.5	46.9	24.8	36.2
	rural	65.6	53.1	59.3	74.1	64.3	69.1	33.8	13.1	23.7	40.8	18.0	29.7
	urban	72.0	60.6	66.3	80.1	72.2	76.1	61.2	42.0	52.4	65.8	47.8	57.4
5 & above	total	77.1	62.5	69.6	84.7	73.4	78.9	46.0	22.0	34.5	53.5	28.5	41.4
	rural	76.1	61.2	68.5	83.6	71.9	77.6	39.5	15.4	27.8	46.7	20.7	34.0
	urban	82.5	69.3	75.9	89.3	79.9	84.5	69.8	48.7	60.2	74.0	54.4	64.9
10 & above	total	81.6	64.3	72.8	87.7	74.6	81.0	49.9	22.6	36.8	57.0	29.0	43.5
	rural	80.6	63.0	71.7	86.7	73.0	79.7	43.2	15.8	29.9	50.1	20.9	35.8
	urban	86.6	71.1	78.8	92.1	81.2	86.5	73.8	49.9	62.9	73.3	55.5	67.2
15 & above	total	79.4	59.4	69.2	86.0	70.8	78.1	47.7	19.3	34.0	54.8	25.7	40.7
	rural	78.2	57.8	67.8	84.7	68.9	76.6	40.5	12.9	27.0	47.3	17.6	32.7
	urban	85.1	67.1	76.0	92.1	81.2	86.5	72.4	45.4	60.3	76.4	51.9	65.1
35 & above	total	70.2	41.4	55.7	77.2	51.4	63.9	38.0	10.8	25.2	44.6	14.4	30.2
	rural	68.7	39.9	54.1	75.3	49.0	61.8	31.2	6.5	19.4	38.0	8.6	23.2
	urban	77.7	49.4	63.4	85.2	61.6	73.0	64.5	30.2	49.3	69.4	35.9	54.3

Sources: Census of India 1981 Part II - Special report & tables based on 5% sample data.

### 2.3 District-wise literacy rates in Kerala 1981 (percentage)

District	General			Scheduled caste			Scheduled tribe		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10
1. Trivandrum	75.3	65.8	70.5	64.4	53.8	59.0	62.9	53.4	58.1
2. Quilon*	77.4	68.6	73.0	63.2	50.5	56.8	53.6	46.6	50.1
3. Pathanamthitta*	81.8	78.0	79.9	68.1	58.5	63.3	56.0	50.0	53.0
4. Alleppey*	81.7	73.3	77.4	73.1	61.0	67.0	55.2	44.0	49.6
5. Kottayam	84.0	79.4	81.7	76.3	67.2	71.8	75.5	71.8	73.6
6. Idukki	72.4	62.6	67.6	57.8	39.7	48.8	47.2	39.3	43.4
7. Ernakulam	80.8	72.9	76.8	68.9	57.3	63.1	55.7	49.3	52.6
8. Trichur	77.3	70.2	73.6	63.5	53.0	58.2	34.3	25.2	29.9
9. Palghat	64.8	51.6	58.0	49.9	34.3	41.9	16.0	8.0	12.0
10. Malappuram	65.9	55.4	60.5	54.2	41.5	47.7	19.9	12.9	16.3
11. Kozhikode	76.6	63.8	70.2	69.3	55.4	62.2	26.0	16.9	21.5
12. Wayanad	64.8	51.5	58.3	55.7	40.0	48.1	27.3	14.2	20.7
13. Cannanore	76.1	65.1	70.5	67.8	54.2	61.0	34.3	18.0	26.3
14. Kavaragod	63.4	46.9	55.1	37.3	23.4	30.4	48.4	26.1	37.4
<b>State</b>	<b>75.3</b>	<b>65.7</b>	<b>70.4</b>	<b>62.3</b>	<b>49.7</b>	<b>56.0</b>	<b>37.5</b>	<b>26.0</b>	<b>31.8</b>

Source: Census of India 1981.

\* provisional

2.4 Sex-wise completed level of education in southern states of India (in '000s)

Educational level	Kerala		Andhra pradesh		Karnataka		Tamil nady		India	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
1	2	3	4	5	6	7	8	9	10	11
Illiterate*	3100	4429	16467	21048	19686	13167	10220	15550	182645	241611
<b>Literate</b>										
Non formal	124	87	294	108	40	17	220	31	3347	1368
Formal	2494	2334	2171	1380	2278	1485	3849	2708	46298	26396
Primary	3062	2853	3231	2224	2895	1657	4908	2982	46770	26077
Middle	2331	2077	1959	961	1898	1056	2045	1188	28861	13341
Matriculation/ secondary	877	755	1317	451	1244	558	2216	1051	20386	7510
Higher secondary Intermediate/ pre-university	190	166	514	146	375	134	464	190	7425	2396
Diploma	11	14	09	03	02	01	08	06	109	67
Technical diploma or certificate not equal to degree	122	75	84	13	104	27	94	15	1053	274
Graduate & above	217	135	466	106	399	113	464	149	7038	2318
<b>Total</b>	<b>12528</b>	<b>12926</b>	<b>27109</b>	<b>26441</b>	<b>18923</b>	<b>18213</b>	<b>24488</b>	<b>23920</b>	<b>343930</b>	<b>321357</b>

Source: Census of India 1981, Social & cultural tables\*Includes figures for educational level not classifiable

\* Figures in '000s

### 2.5 Growth of in the number of students in schools (in '000s)

Year	L.P. section			U.P. section			High school section		
	Total	Girls	% of girls to total	Total	Girls	% of girls to total	Total	Girls	% of girls to total
1	2	3	4	5	6	7	8	9	10
1960-61	2032	950	46.8	901	394	43.7	332	134	40.4
1970-71	2809	1332	47.4	1266	581	45.9	725	335	46.2
1980-81	2595	1262	48.6	1694	810	47.8	1314	634	48.2
1981-82	2586	1257	48.6	1747	839	48.0	1317	641	48.7
1982-83	2549	1243	48.8	1782	858	48.1	1315	643	48.9
1983-84	2501	1220	48.8	1805	873	48.4	1342	658	49.0
1984-85	2528	1232	48.7	1788	866	48.4	1365	671	49.2
1985-86	2595	1267	48.8	1777	861	48.5	1344	667	49.6
1986-87	2587	1258	48.6	1790	873	48.8	1341	669	49.9
1987-88*	2619	1274	48.6	1805	877	48.6	1354	678	50.1

Source: Directorate of public instructions (DPI)

\*provisional

### 2.6 Growth in the number of scheduled caste students in schools

Year	L.P. section			U.P. section			High school section		
	Total	Girls	% of girls to total	Total	Girls	% of girls to total	Total	Girls	% of girls to total
1	2	3	4	5	6	7	8	9	10
1981-82	301347	146468	48.6	197538	95255	48.2	138050	69209	50.1
1982-83	304844	147765	48.5	205366	99261	48.3	143919	72556	50.4
1983-84	303482	146576	48.3	206922	100436	48.5	146391	73555	50.2
1984-85	299818	145357	48.5	203032	98257	48.4	144007	72928	50.6
1985-86	303764	147027	48.4	205391	99357	48.4	142493	72711	51.0
1986-87	307644	147952	48.1	205663	99192	48.2	138832	70918	51.1



## 2.7 Growth in the number of scheduled tribe students in schools

Year	L.P. section			U.P. section			High school section		
	Total	Girls	% of girls to total	Total	Girls	% of girls to total	Total	Girls	% of girls to total
1	2	3	4	5	6	7	8	9	10
1981-82	24677	11548	46.8	10749	4814	44.8	5889	2658	45.1
1982-83	26849	12755	47.5	12094	5515	45.6	6643	3142	47.3
1983-84	26872	12950	48.2	13089	5974	45.6	6818	3228	47.3
1984-85	29188	13869	47.5	13777	6362	46.2	6478	3078	47.5
1985-86	29502	14073	47.7	15177	6998	46.1	7993	3637	45.5
1986-87	30351	14467	47.7	15806	7209	45.6	8301	3835	46.2

Source: DPI

## 2.8 Enrolment of students in schools in southern states and in India (in '000s)

States	Std.	1983-84			1984-85			1985-86			1986-87		
		Total	Girls	% of girls	Total	Girls	% of girls	Total	Girls	% of girls	Total	Girls	% of girls
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Andhra pradesh	I-V	6073	2524	41.6	6412	2702	42.2	6699	2851	42.6	6925	2927	42.3
	VI-VIII	1528	538	35.2	1655	582	35.2	1327	482	36.3	1396	506	36.2
	IX-X	674	221	32.8	753	250	33.3	1280	425	33.2	1355	471	34.8
Karnataka	I-V	4019	1830	45.5	4125	1852	44.9	4049	1805	44.6	4835	2152	44.5
	VI-VIII	1628	557	34.3	1479	601	40.7	2033	793	39.0	2033	793	39.0
	IX-X	867	272	31.4	922	323	35.1	764	226	29.6	764	226	29.6
Tamil nadu	I-V	6874	3150	45.8	7044	3233	45.9	7193	3303	45.9	7328	3365	45.9
	VI-VIII	2191	863	39.4	2319	924	39.9	2467	999	40.5	2616	1069	40.8
	IX-X	792	285	36.0	852	310	36.4	915	344	37.5	970	367	37.8
India	I-V	81097	31775	39.2	83933	33193	39.6	86465	34733	40.2	89993	36143	40.2
	VI-VIII	24997	8497	34.0	26153	9069	34.7	2467	9992	35.5	28780	10237	35.6
	IX-X	9746	3003	30.8	10555	3336	31.6	11617	3588	30.9	12473	3851	30.9

**2.9 District-wise distribution of students in schools for the year 1986-87 ('000s)**

District	L.P.Section			U.P.Section			High school section		
	Total	Girls	%of girls to total	Total	Girls	%of girls to total	Total	Girls	%of girls
1	2	3	4	5	6	7	8	9	10
Trivandrum	227	112	49.2	166	81	49.0	140	71	50.5
Quilon	200	98	49.1	149	72	48.4	128	64	49.8
Pathanamthitta	92	45	49.3	71	34	48.4	66	33	50.0
Alleppey	153	75	48.8	125	61	49.0	107	54	50.3
Kottayam	148	73	49.3	112	55	48.9	99	51	51.7
Idukki	85	41	48.5	65	31	48.3	49	25	51.8
Ernakulam	220	107	48.6	169	83	49.4	137	71	51.7
Trichur	236	114	48.3	168	82	48.9	132	68	51.6
Palghat	221	106	47.9	140	69	49.4	89	42	47.3
Malappuram	343	166	48.5	197	98	49.5	107	51	47.2
Kozhikode	250	122	48.8	171	83	48.5	120	59	49.3
Wayanad	66	32	48.8	42	20	48.5	26	13	50.0
Cannanore	231	112	48.7	150	73	48.7	104	51	49.2
Kasaragod	115	55	48.2	64	30	45.9	38	16	43.4
<b>State</b>	<b>2587</b>	<b>1258</b>	<b>48.7</b>	<b>1790</b>	<b>873</b>	<b>48.8</b>	<b>1341</b>	<b>669</b>	<b>49.9</b>

Source: DPI

the difference in total is due to rounding up of figures.

### 2.10 District-wise enrolment of scheduled caste & scheduled tribe girl students in Kerala 1986-87

District	Scheduled castes			Scheduled tribes		
	Total	Girls	% of girls to total	Total	Girls	% of girls to total
1	2	3	4	5	6	7
Trivandrum	79107	39250	49.6	3288	1650	50.2
Quilon	73006	36142	49.5	581	277	47.7
Pathanamthitta	42896	21404	49.9	939	431	45.9
Alleppey	46653	22754	48.8	597	305	51.1
Kottayam	41385	20622	49.8	4211	2093	49.7
Idukki	38566	18781	48.7	8142	4055	49.8
Ernakulam	52420	25904	49.4	957	443	46.3
Trichur	67823	33310	49.1	688	326	47.4
Palghat	73079	33274	45.5	5686	2073	36.5
Malappuram	52747	25501	48.3	994	434	43.7
Kozhikode	41434	20231	48.8	843	416	49.3
Wayanad	7240	3562	49.2	18684	8939	47.8
Cannanore	22884	11379	49.7	3366	1535	45.6
Kasaragod	12899	5946	46.1	5482	2554	46.6
<b>State</b>	<b>652139</b>	<b>318062</b>	<b>48.8</b>	<b>54458</b>	<b>25511</b>	<b>46.8</b>

Source: DPI.

### 2.11 Students appeared and passed in the SSLC examinations 1976 - 1987 (in '000s)

Year	Month	No. of students appeared		No. of students passed		% of pass		
		Boys	Girls	Boys	Girls	Boys	Girls	Total
1	2	3	4	5	6	7	8	9
1976	March	138	127	45	47	32.4	36.6	34.4
	September	28	23	7	5	24.8	23.0	24.0
1977	March	185	124	77	52	41.7	41.7	41.7
	September	42	32	7	5	15.8	16.2	16.0
1978	March	184	167	76	74	41.6	44.5	43.0
	September	40	31	8	5	18.7	17.1	18.0
1979	March	192	183	82	81	42.6	44.4	43.5
	September	43	38	7	6	16.3	14.7	15.5
1980	March	196	186	80	83	40.6	44.7	42.6
	September	25	19	3	2	10.9	10.9	10.9
1981	March	238	229	90	95	37.7	41.4	39.5
	September	18	13	2	1	11.3	10.6	11.0
1982	March	253	240	95	94	37.5	39.2	38.3
	September	11	9	1	1	12.7	11.7	12.2
1983	March	270	249	102	99	37.6	39.7	38.6
	September	10	8	4	2	39.5	28.1	34.4
1984	March	245	251	84	93	34.3	37.0	35.7
	September	11	8	2	2	17.8	19.6	19.0
1985	March	247	241	101	121	40.8	50.3	45.5
	September	8	6	1	1	18.5	17.1	17.9
1986	March	256	242	115	119	44.8	48.8	46.7
	September	43	29	7	6	16.3	20.7	18.1
1987	March	233	218	102	103	43.9	47.3	45.5
	September	24	23	10	9	42.3	39.4	40.9

Source: Fact book on manpower, Kerala 1988.

## 2.12 Wastage in school education 1974-75 to 1983-84

Year	Standard	Boys & girls combined			Girls		
		Total enrolment in '000s	Index of pupils retained	Cumulative % of wastage	Total enrolment in '000s	Index of pupils retained	Cumulative % of wastage
1	2	3	4	5	6	7	8
1974-75	I	659	1000	--	319	1000	--
1975-76	II	670	1016	+2	323	1013	+1
1976-77	III	633	961	-4	305	956	-4
1977-78	IV	629	953	-5	301	944	-5
1978-79	V	580	879	-12	274	858	-14
1979-80	VI	546	828	-17	260	814	-19
1980-81	VII	539	817	-18	258	807	-19
1981-82	VIII	494	749	-25	236	740	-26
1982-83	IX	456	691	-31	223	699	-30
1983-84	X	358	543	-46	181	566	-43
SSLC examination							
1984 March							
	No. appeared	344	522	-48	174	545	-46
	No. passed	114	174	-83	61	192	-81

Source: Education statistics 1987, DPI.

## 2.13 Number of students in basic training schools 1980-81 - 1985-86

Year	No. of schools	Girls	Total	% of girls to total
1	2	3	4	5
1980-81	93	4695	6396	73.41
1981-82	93	5297	7620	75.46
1982-83	93	5478	7101	77.14
1983-84	93	5462	7135	76.55
1984-85	93	5610	7345	76.38
1985-86	93	5467	*7156	76.40

Source: DPI

\* provisional

**2.14 Number of students appeared and passed in T.T.C.  
1980-81 - 1986-87 (provisional)**

Year	Appeared		Passed		% of girls to total
	Girls	Total	Girls	Total	
1	2	3	4	5	6
1980-81	4352	8903	3212	6537	73.81
1981-82	2152	3755	1906	3364	88.57
1982-83	5536	9518	4284	7066	77.38
1983-84	1627	3560	1534	3059	94.28
1984-85	NA	NA	NA	NA	NA
1985-86	4600	7412	4135	6887	89.90
1986-87	NA	3690	NA	3149	NA

Source : DPI

**2.15 Growth in the number of teachers in schools ('000s)**

Year	Total	Females	Percentage of females
1	2	3	4
1980-81	175	93	53.2
1981-82	178	96	54.0
1982-83	182	101	55.7
1983-84	184	104	56.4
1984-85	185	107	57.7
1985-86	188	110	58.6
1986-87	192	114	59.6

Source : DPI.

**2.16 Number of teachers in schools; district-wise and sex-wise  
for the year 1986-87**

District	Total	Females	Percentage of females
1	2	3	4
Trivandrum	18087	11010	60.9
Quilon	16478	9838	59.7
Pathanamthitta	8943	5943	66.5
Alleppey	12896	8900	69.0
Kottayam	13475	8614	63.9
Idukki	6611	4040	61.1
Ernakulam	18210	13099	71.9
Trichur	18544	14009	75.5
Palghat	13855	8013	57.8
Malappuram	18848	9400	49.9
Kozhikode	18541	8406	45.3
Wayanad	3760	1899	50.5
Cannanore	16810	8299	49.4
Kasaragod	6526	2654	40.7
<b>State</b>	<b>191584</b>	<b>114124</b>	<b>59.6</b>

Source: DPI.

## 2.17, Enrolment of students in arts and science colleges in Kerala ('000)

		1981-82	1982-83	1983-84	1984-85	1985-86
1		2	3	4	5	6
Pre-degree	Total	167	182	186	189	197
	Female	82	90	93	94	99
	% of female	49.1	49.6	49.9	49.7	50.0
Degree	Total	94	97	98	98	107
	Female	48	49	50	52	56
	% of female	51.2	50.4	51.3	53.6	52.0
Post-graduate	Total	7	8	8	8	9
	Female	3	4	4	4	5
	% of female	42.9	49.6	50.8	51.2	51.0
Grand total	Total	268	287	292	296	313
	Female	133	143	147	152	160
	% of female	49.6	49.8	50.3	51.4	51.0

\*percentage calculated out of absolute figures.

## 2.18 Teaching staff in arts and science colleges

Year	Arts and science colleges			Training colleges		
	Total	Female	% of female	Total	Female	% of female
female	2	3	4	5	6	7
1980-81	10174	3446	33.9	NA	NA	NA
1981-82	11340	4004	35.3	179	66	36.9
1982-83	12391	4433	35.8	185	70	37.8
1983-84	12884	4672	36.2	184	53	28.8
1984-85	--	--	--	--	--	--
1985-86	13374	4945	37.0	185	69	37.3

Source: DCE.

## 2.19 Intake of various medical courses in Kerala during the year 1988-89

Course	Total	Women	% of women to total
1	2	3	4
MBBS	302	130	43.0
BDS	31	20	64.5
B.Pharm	18	5	27.8
B.Sc. nursing	75	66	88.0
B.Sc.(MLT)	22	9	40.9

Source: Directorate of medical education.

## 2.20 Strength of students under various agricultural and related courses 1984-85

U.G. course	Agriculture			Horticulture		
	Total	Women	% of women	Total	Women	% of woman
1	2	3	4	5	6	7
<b>I. U.G. Courses</b>						
<b>(B.Sc. Agrl.)</b>						
I Year B.Sc.	79	43	54.4	80	43	53.8
II "	50	22	44.0	54	24	44.4
III "	75	28	37.3	56	24	42.9
IV "	81	41	50.6	80	28	35.0
Total	285	134	47.0	270	119	44.1
<b>II. P.G. Courses (M.Sc.)</b>						
I year M.Sc.	52	29	55.8	-	-	-
II "	53	29	54.7	-	-	-
Total	105	58	55.2	-	-	-
<b>ii. Horticultural college, Vellanikara</b>						
I year M.Sc.	31	17	54.8	7	6	85.7
II "	18	10	55.6	3	3	100.0
Total	49	27	55.1	10	9	90.0
<b>(b) Ph.D</b>						
<b>Agricultural College, Vellayani</b>						
<b>Ph.D (Agrl.)</b>						
I year	8	2	25.0	-	-	-
II "	6	3	50.0	-	-	-
III "	5	2	40.0	-	-	-
Total	19	7	36.8	-	-	-
<b>Horticultural college, vellanikara</b>						
I year	4	3	75.0	2	2	100
II year	2	-	-	-	-	-
III "	3	1	3.3	-	-	-
Total	9	4	44.0	2	2	100

### 2.21. Strength of students in college of co-operation and banking

	Total	Women	% of women
<b>B.Sc.(C &amp; B) programme</b>			
I Year	24	7	29.2
II	28	13	46.4
III "	26	14	53.8
IV "	51	20	39.2
Total	129	54	41.9

### 2.22 Strength of students in college of fisheries, Panangod

	Total	Female	% of female
<b>Bachelor of Fishery Science (B.F.Sc.)</b>			
I year 1984 batch	32	9	28.1
II " 1983 "	26	7	26.9
II year 1872 "	25	4	16.0
III " 1981	26	9	34.6
IV " 1980 "	25	9	36.0
1979	6	-	-
Total	140	38	27.1
P.G. Course	5	3	60.0

Source: Annual report of agricultural university 1984-85.

### 2.23 Per capita expenditure on education in southern states (revenue and capital account combined)

Year	Kerala	Andhra pradesh	Karnataka	Tamilnadu	All states
1	2	3	4	5	6
1970-71	28	14	18	18	15
1980-81	85	43	47	50	47
1981-82	97	52	54	56	53
1982-83	106	64	66	73	64
1983-84	123	81	74	80	74
1984-85	139	89	89	93	87
1985-86	167	101	103	117	102
1986-87	193	127	124	117	119

Source: Kerala budget in brief 1989-90 and Economic review 1988 - State Planning Board.



---

### III. HEALTH

---

3.1	Number of government medical institutions and beds 1970-71 to 1987-88	31
3.2	Number of private medical institutions & beds 1986	"
3.3	Number of inpatients and out patients treated in government institutions (allopathic)	32
3.4	District-wise distribution of medical institutions (allopathic) 1987-88	"
3.5	District-wise distribution of government medical institutions (ayurvedic) 1987-88	33
3.6	District-wise distribution of medical institutions (homoeopathic) 1987-88	"
3.7	Number of female doctors & nurses in Kerala 1989	34
3.8	Number of registered medical practitioners 1987-88	"
3.9	Achievements in family welfare programme 1970-71 to 1987-88	35
3.10	Percentage distribution of sterilised persons according to number of children living	"
3.11	Percentage distribution of sterilised persons according to age	36
3.12	Per capita expenditure on medical and public health in southern states & in India 1970-71 to 1986-87	"

.....



## 3.1 Number of government medical institutions &amp; beds

Year	Allopathy		Ayurvedic		Homoeopathy	
	No. of Institutions	No. of beds	No. of institutions	No. of beds	No. of institutions	No. of beds
1	2	3	4	5	6	7
1970-71	553	21777	304	1180	47	NA
1980-81	981	31206	228	1472	176	535
1981-82	988	30298	228	1647	213	650
1982-83	1007	32428	226	1649	223	675
1983-84	1012	33329	226	1659	223	675
1984-85	1017	33125	227	1679	223	675
1985-86	1015	35740	228	1689	251	700
1986-87	1048	36344	208	1769	279	700
1987-88	1066	36479	208	1869	279	715

Source: DHS, Directorate of Indegenous medicine, Directorate of Homoeopathy

## 3.2 Number of private medical institutions\* &amp; beds in 1986

Districts	Allopathy		Ayurvedic		Homoeopathy	
	Institutions	beds	Institutions	beds	Institutions	beds
1	2	3	4	5	6	7
Trivandrum	369	3744	301	359	121	42
Quilon	324	4504	262	210	141	73
Pathanamthitta	231	3720	178	23	104	2
Alleppey	392	3157	301	40	224	6
Kottayam	376	6189	398	119	327	43
Idukki	194	3521	98	14	72	-
Ernakulam	436	8646	365	79	371	71
Trichur	256	5101	592	103	137	16
Palghat	142	1013	357	71	86	15
Malappuram	188	1931	358	209	148	10
Kozhikode	241	2411	342	62	213	18
Wayanad	88	1594	77	-	43	-
Cannanore	190	2550	191	10	65	-
Kasaragod	138	949	105	2	26	-
<b>State</b>	<b>3565</b>	<b>49030</b>	<b>3925</b>	<b>1301</b>	<b>2078</b>	<b>296</b>

\* inclusive of institutions without beds

Source: Survey of private medical institutions in Kerala 1986, DES.

### 3.3 Number of inpatients and outpatients treated in government institutions\* (Allopathic)

Year	Inpatients			Out patients		
	Male	Female	Children	Male	Female	Children
1	2	3	4	5	6	7
1970-71	354452	450875	185504	6209837	8376130	5989022
1980-81	347817	533052	215195	6200785	9883679	7272563
1981-82	395809	580602	238340	6432986	10112213	7351777
1982-83	379692	529606	209744	7342619	9661456	7009963
1983-84	420413	613058	259534	7821436	11452584	7875180
1984-85	372372	572585	236888	6562873	10184306	7072442
1985-86	412005	610660	263145	7355006	10766531	7383460
1986-87	405840	598388	264849	7530933	11222994	7740071
1987-88	457806	642834	319361	8121304	11652558	8114172

Source: DHS

\*excludes medical college hospitals

### 3.4 District-wise distribution of government medical institutions (allopathic) 1987-88

District	Hospi- tals	P.H. centres	Dispen- series	M.C.H. centres	TB clinics/ centres	Grand-in-aid institutions	Lepracy hospital/ centres	Community health centres	Subsidiary health centres	Total
1	2	3	4	5	6	7	8	9	10	11
Trivandrum	17	52	23	1	2	2	1	4	-	102
Quilon	9	51	4	1	3	2	1	2	-	73
Pathanamthitta	5	37	4	-	1	3	-	2	-	52
Alleppey	10	54	3	1	2	4	2	1	-	77
Kottayam	13	45	4	1	2	6	-	1	-	72
Idukki	3	12	22	-	-	-	-	1	14	52
Ernakulam	22	60	14	-	4	3	-	3	-	106
Trichur	17	61	17	-	2	2	2	1	-	102
Palghat	9	18	31	-	1	1	1	1	26	88
Malappuram	6	27	26	-	2	2	2	3	31	99
Kozhikode	9	51	4	1	1	-	1	4	-	71
Wayanad	3	11	10	-	-	-	-	2	8	34
Cannanore	9	54	19	-	2	-	-	2	-	86
Kasaragod	3	39	7	-	1	-	-	2	-	52
State	135	572	188	5	23	25	10	29	79	1066

Source: DHS.

### 3.5 District-wise distribution of government medical institutions 1987-88 (ayurvedic)

District	Ayurveda hospitals	Ayurveda dispensaries	Grant-in-aid institutions
1	2	3	4
Trivandrum	12	47	25
Quilon	9	35	40
Pathanamthitta	4	22	-
Alleppey	10	34	31
Kottayam	8	24	14
Idukki	3	21	1
Ernakulam	11	45	13
Trichur	14	63	23
Palghat	5	45	4
Malappuram	10	50	2
Kozhikode	5	31	10
Wayanad	1	15	-
Cannanore	5	37	45
Kasaragod	4	27	-
<b>State</b>	<b>101</b>	<b>496</b>	<b>208</b>

Source: Directorate of indigenous medicines

### 3.6 District-wise distribution of government medical institutions 1987-88 (homoeopathic)

District	Hospitals	Dispensaries	Total
1	2	3	4
Trivandrum	4	26	30
Quilon	1	19	20
Pathanamthitta	-	8	8
Alleppey	3	21	24
Kottayam	3	19	22
Idukki	2	17	19
Ernakulam	2	31	33
Trichur	1	20	21
Palghat	1	16	17
Malappuram	2	25	27
Kozhikode	1	21	22
Wayanad	1	6	7
Cannanore	1	18	19
Kasaragod	2	8	10
<b>State</b>	<b>24</b>	<b>255</b>	<b>279</b>

Source: Economic review 1987.

**3.7 Number of female doctors and nurses in Kerala (Government)  
as on 1-4-1989**

Category	Total	No. of females	% of females to total
1	2	3	4
Doctor (modern medicine)	2847	752	26.4
Nurses	6149	5988	97.4
Lab technician	488	116	23.8
Pharmacist	1620	348	21.5
Radiographer	132	28	21.2

Source: DHS.

**3.8 Registered medical practitioners in 1987-88**

System of medicine	Class of registration	Total	Female	Percentage
1	2	3	4	5
1. Modern medicine	A	15847	4548	28.7
	B	605	12	2.0
	Listed	204	12	5.9
	Sub-total	16656	4572	27.4
2. Ayurveda	A	5348	956	17.9
	B	6040	135	2.2
	Listed	598	13	2.2
	Sub-total	11986	1104	9.2
3. Homoeopathy	A	3246	1176	36.2
	B	1246	143	11.5
	Listed	279	35	12.5
	Sub-total	4771	1354	28.4
4. Siddha	A	61	3	4.8
	B	1175	1	0.01
	Listed	41	-	-
	Sub-total	1277	4	0.3
5. Unani	A	1	-	-
	B	51	-	-
	Listed	5	-	-
	Sub-total	57	-	-

Source: Registrar of medical councils.

### 3.9 Achievements in family welfare programme

Year	Vasectomy	PPS	IUD	Conventional contraceptives		Oral pills	
				Nirod dis-tributed	C.C. users	O.P. dis-tributed	O.P. users
1	2	3	4	5	6	7	8
1970-71	46621	21396	30584	NA	NA	NA	NA
1980-81	15854	92658	18394	1519567	NA	NA	NA
1981-82	16262	107592	20558	137331	NA	NA	NA
1982-83	17250	126809	28111	1856213	22737	29346	2257
1983-84	19764	160095	37386	3183338	40920	83193	6402
1984-85	12062	197031	44130	5721945	177450	164935	12687
1985-86	8571	124780	59589	7282340	99716	272951	20819
1986-87	7011	129424	76164	12586951	173585	362159	27858
1987-88	5656	130793	85530	12307316	169993	363997	28000

### 3.10 Percentage distribution of sterilised persons in Kerala according to number of children living

Year	1 child	2 children	3 or more children
1	2	3	4
1970-71	2.4	39.5	58.1
1980-81	1.8	34.0	64.2
1981-82	0.2	27.0	72.8
1982-83	0.2	35.0	64.8
1983-84	0.3	34.3	65.4
1984-85	0.8	42.9	46.3
1985-86	0.8	40.3	58.9
1986-87	2.6	44.9	52.5
1987-88	1.8	42.1	56.1

Source: DHS

### 3.11 Percentage distribution of sterilised persons in Kerala according to age

Year	15-19		20-24		25-29		30-34		35-39		40 & above	
	M	F	M	F	M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13
1980-81	1.6	0.8	26.0	25.0	39.5	39.0	23.2	23.7	7.3	7.0	2.4	4.0
1981-82	0.7	0.2	21.0	22.3	40.0	37.0	26.0	27.0	9.6	10.0	2.7	3.4
1982-83	1.3	0.6	25.0	29.0	34.3	40.0	22.0	20.0	15.0	9.0	2.4	1.4
1983-84	1.5	0.7	26.0	30.0	35.1	41.0	21.2	19.0	14.0	8.0	2.2	1.3
1984-85	0.5	2.6	19.6	24.4	33.5	39.7	25.0	23.3	17.3	8.3	4.0	1.8
1985-86	1.5	2.5	22.0	26.8	37.5	36.4	23.2	21.3	11.7	11.0	4.1	2.0
1986-87	3.0	0.6	21.3	28.8	36.4	34.9	23.5	20.2	13.3	8.1	4.0	1.4
1987-88	2.5	1.5	21.8	27.6	36.6	38.1	23.6	20.1	12.6	9.2	3.1	3.6

Source : DHS.

### 3.12 Per capita expenditure on medical and public health in southern states (Revenue and capital account combined)

Year	Kerala	Andhra pradesh	Karnataka	Tamil nadu	All States
1	2	3	4	5	6
1970-71	7	6	5	7	6
1980-81	32	23	19	23	24
1981-82	39	26	24	33	28
1982-83	40	29	30	40	34
1983-84	45	39	31	*58	41
1984-85	58	43	40	49	47
1985-86	50	35	40	57	41
1986-87	61	39	47	64	43

Source: Kerala budget in brief 1989-90 and Economic review 1988, State Planning Board.



---

#### IV. EMPLOYMENT & UNEMPLOYMENT

---

4.1	Work participation rates in southern states & in India 1971 & 1981	39
4.2	District-wise work participation rates in Kerala 1981	"
4.3	Sex-wise percentage distribution of workers by industrial classification	40
4.4	Women employment in the organised sector 1981-87	41
4.5	Percentage of women employment in the southern states & in India 1985	"
4.6	District-wise women employees in public & private sectors 1987	42
4.7	Percentage of women employment in registered factories 1971, 1981 & 1985	43
4.8	Women employment in the banking sector 1980 and 1983	"
4.9	Percentage of unemployed in Kerala 1987	44
4.10	Estimated percentage of unemployed to total persons in labour force - based on NSS estimates 1972-73, 1977-78 & 1983	"

.....



#### 4.1 Work participation rates in southern states and in India

State	1971			1981*		
	Total	Males	Females	Total	Males	Females
1	2	3	4	5	6	7
Kerala	29.1	45.0	13.5	30.5	44.9	16.6
Andhra pradesh	41.4	58.2	24.2	45.8	57.7	33.6
Karnataka	34.7	54.4	14.2	40.3	54.6	25.3
Tamil nadu	35.8	56.0	15.1	41.7	56.6	26.5
India	32.9	52.5	11.9	36.8	52.7	19.8

\* main workers and marginal workers

Source: Census of India 1981 Part III A General economic tables.

#### 4.2 District-wise work participation rates in Kerala 1981

District	Main workers	Marginal workers	Work participation rate	Non workers	Total
1	2	3	4	5	6
Trivandrum	27.1	3.1	30.2	69.8	100.0
Quilon	24.1	6.3	30.4	69.6	100.0
Pathanamthitta	25.8	3.3	29.1	70.9	100.0
Alleppey	26.6	6.3	32.9	67.1	100.0
Kottayam	27.2	2.6	29.8	70.2	100.0
Idukki	34.6	3.1	37.7	62.3	100.0
Ernakulam	28.0	3.7	31.7	68.3	100.0
Trichur	26.6	3.0	29.6	70.4	100.0
Palghat	32.6	2.7	35.3	64.7	100.0
Malappuram	21.8	3.4	25.2	74.8	100.0
Kozhikode	21.9	5.2	27.1	72.9	100.0
Wayanad	33.5	4.5	48.0	62.0	100.0
Cannanore	25.4	3.0	28.4	71.6	100.0
Kasaragod	30.2	3.2	33.4	66.6	100.0

Source: Census 1981.

### 4.3 Sex-wise percentage distribution of workers by industrial classification

Industrial category	India											
	Kerala						India					
	1971		1981		1981		1971		1981		1981	
1	2	3	4	5	6	7	8	9	10	11	12	13
	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female	Persons	Male	Female
1. Cultivators	17.8	21.8	4.6	13.1	15.7	5.0	43.4	46.2	29.7	41.6	43.7	33.2
2. Agricultural labourers	30.7	25.1	49.1	28.2	23.3	43.6	26.3	21.3	50.5	24.9	19.6	46.2
3. Livestock, forestry fishing, hunting etc.	7.0	7.5	5.4	9.6	10.4	6.2	2.4	2.3	2.6	2.3	2.4	1.8
4. Mining & quarrying	0.5	0.6	0.2	0.8	0.9	0.3	0.5	0.6	0.3	0.6	0.6	0.4
5. Manufacturing --												
a) Household industry	4.3	3.1	8.1	3.7	2.4	7.6	3.5	3.3	4.2	3.5	3.2	4.6
b) Other than hhd. industry	11.4	11.2	12.3	12.2	12.3	12.8	5.9	6.6	2.9	7.8	8.9	3.5
6. Construction	1.7	2.1	0.3	3.0	3.8	0.7	1.2	1.3	0.6	1.7	1.8	0.8
7. Trade and commerce	9.1	11.3	2.0	11.0	13.7	3.3	5.6	6.4	1.9	6.3	7.3	2.0
8. Transport, storage and communications	3.9	4.8	1.0	5.0	6.0	1.6	2.5	2.9	0.3	2.7	3.3	0.4
9. Other services	13.6	12.5	17.0	13.4	11.5	18.9	8.7	9.1	7.0	8.6	9.2	7.1
<b>Total</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Census of India 1971 & 1981.

4.4 Women employment in the organised sector as on 31st march 1981 - 1987 (in '000s)

Year	Central govt.		State govt.		Quasi-govt.		Local bodies		Total public sector		Private sector		Grand total								
	T	W	T	W	T	W	T	W	T	W	T	W	T	W							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1981	66	8	11.6	238	70	29.5	172	49	28.2	22	5	24.7	499	132	26.5	518	230	44.3	1017	362	35.5
1982	74	9	11.7	243	74	30.2	181	51	28.0	23	6	25.5	521	139	26.6	520	230	44.2	1040	368	35.4
1983	79	9	11.4	249	76	30.7	187	52	27.8	24	6	26.3	539	144	26.7	516	223	43.2	1055	367	34.8
1984	83	10	12.2	252	80	31.7	191	52	27.4	24	6	26.4	551	149	27.0	510	221	43.2	1061	369	34.8
1985	86	11	12.3	255	82	32.3	199	55	27.7	23	7	28.1	563	155	27.4	510	218	42.7	1073	373	34.7
1986	86	11	12.8	259	83	32.1	202	55	27.2	23	7	28.1	571	156	27.3	510	224	44.0	1081	380	35.2
1987	86	11	13.2	263	87	32.9	204	56	27.5	23	6	27.3	577	160	27.8	512	226	44.2	1089	387	35.5

4.5 Percentage of women employment in southern states and in India during 1985

State	Public sector				Private sector				Grand total	
	Central govt.	State govt.	Central govt. quasi	State govt. quasi	Local bodies	Total	Act	Non act		Total
1	2	3	4	5	6	7	8	9	10	11
Kerala	12.3	32.1	16.2	34.5	28.1	27.3	45.9	32.3	44.0	34.7
Andhra pradesh	5.0	12.3	6.8	3.0	19.5	9.6	23.7	16.4	22.7	12.4
Karnataka	9.0	17.3	10.9	4.4	24.0	12.8	15.7	21.2	16.7	14.0
Tamilnadu	7.8	20.5	10.3	4.8	55.6	17.4	21.6	35.2	24.2	19.6
India	5.2	12.9	7.5	6.2	23.0	10.8	17.5	20.1	17.8	12.9

Sources: Employment review 1984-85, DGET.

#### 4.6 District-wise Women employees in public & private sector in Kerala as on 31st march 1987

District	Central govt.	State govt.	Quasi govt.	Local body	Total public sector	% of women employment in pub.sector	Private sector	% in pri- private sector	Total pri- vate & pub. sector	Total %of women employmt.
1	2	3	4	5	6	7	8	9	10	11
Trivandrum	3551	16708	7839	1168	29266	25.1	17250	56.1	46516	31.6
Quilon	298	7697	23041	858	31894	49.2	52002	72.6	83896	61.5
Pathanamthitta	607	2045	1789	201	4642	30.7	7452	49.9	12094	40.2
Alleppey	217	6580	5240	480	12517	36.8	8546	39.9	21063	38.0
Kottayam	441	4863	2230	397	7931	27.6	8756	34.2	16687	30.7
Idukki	218	2327	326	293	3164	24.2	31398	52.9	34562	47.7
Ernakulam	2695	8877	6208	852	18632	20.9	15411	28.7	34043	23.8
Trichur	890	8878	3416	570	13754	31.8	22637	42.1	36391	37.5
Palghat	968	6338	583	267	8156	17.3	8017	30.8	16173	22.1
Malappuram	204	6638	903	240	7985	27.3	8106	36.8	16091	31.4
Kozhikode	783	7278	1321	625	10007	23.2	13280	27.6	23287	25.5
Wayanad	14	1462	111	42	1629	19.8	10982	55.4	12611	44.9
Cannanore	433	4461	2635	294	7823	24.8	13991	28.1	21814	26.8
Kasaragod	110	2371	414	59	2954	23.9	8376	55.2	11330	41.1
<b>State</b>	<b>11429</b>	<b>86523</b>	<b>56056</b>	<b>6346</b>	<b>160354</b>	<b>27.8</b>	<b>226204</b>	<b>44.2</b>	<b>386558</b>	<b>35.5</b>

Source: Fact book on manpower 1988, DES

## 4.7 Percentage of women employment in registered factories

Category	1971			1981			1985		
	Public sector	Private sector	Total	Public sector	Private sector	Total	Public sector	Private sector	Total
1	2	3	4	5	6	7	8	9	10
Total no. of regd. factories	124	2900	3024	240	8859	9099	267	10830	11097
No. of factories submitting returns	70	1745	1815	177	4086	4263	166	5361	5527
Total employment in the factories	17662	96607	114269	50892	128621	179513	53483	122088	175571
Women emplymt. in the factories	1888	42152	44040	28294	56035	84359	28655	48713	77368
Percentage of women emplymt.	10.7	43.6	38.5	55.6	43.6	47.0	53.6	39.9	44.1

## 4.8 Women employment in the banking sector 1980 &amp; 83

Category of banks	1980				1983			
	Male	Female	Total	% of female	Male	Female	Total	% of female
1	2	3	4	5	6	7	8	9
Apex banks	290	77	367	21.0	663	152	815	18.7
State bank of India & its associates	7456	1533	8989	17.1	9844	2570	12414	20.7
Nationalised banks								
Group I	7266	1437	8703	16.5	9273	2107	11380	18.5
Group II	634	107	741	14.4	1055	204	1259	16.2
Private sector banks	7873	922	8795	10.5	9247	1602	10849	14.8
Regional rural banks	617	80	697	11.5	1147	168	1315	12.8
Co-operative banks	1963	376	2339	16.1	2518	567	3085	18.4
Foreign banks	133	2	135	1.5	126	3	129	2.3
<b>Total</b>	<b>26232</b>	<b>4534</b>	<b>30766</b>	<b>14.7</b>	<b>33873</b>	<b>7373</b>	<b>41246</b>	<b>17.9</b>

Source: Manpower study series No.51, Report on growth of employment in banking sector in Kerala, May 1985 - DES.

#### 4.9 Percentage of unemployed (sex-wise) in Kerala

Category	Rural			Urban			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10
Employed	69.9	40.4	60.8	66.2	32.0	54.8	69.4	39.1	59.9
Under employed	12.7	18.7	14.5	13.5	9.3	12.0	12.8	17.3	14.2
Unemployed	17.4	40.9	24.7	20.3	58.7	33.2	17.8	43.6	25.9
Total labour force	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Report of the survey on unemployment in Kerala 1987, DES.

#### 4.10 Estimated percentage of unemployed to total persons in labour force

Year	Kerala				India			
	Rural		Urban		Rural		Urban	
	Male	Female	Male	Female	Male	Female	Male	Female
1	2	3	4	5	6	7	8	9
1972-73	23.8	29.1	22.4	25.0	7.5	12.8	8.0	14.3
1977-78	26.3	31.0	25.2	25.5	7.4	10.2	9.0	13.9
1983	24.8	31.1	22.6	29.4	8.0	10.4	9.2	12.1

Source: Based on 27th, 32nd & 38th rounds of National sample survey. Quoted from "Towards an approach to Kerala's Eighth Five Year plan", State Planning Board, 1989.







**5.1 Average daily wage rates of unskilled labour in the Construction Sector (Rural)**  
(in Rs.)

District	1970-71		1980-81		1981-82		1982-83		1983-84		1984-85		1985-86		1986-87	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Trivandrum	5.00	4.00	12.19	10.89	16.42	11.80	16.19	12.00	16.36	12.08	18.00	12.50	22.08	17.94	24.39	19.89
Quilon	4.78	3.93	11.94	10.25	14.64	12.64	18.22	16.28	21.56	19.56	23.08	20.00	26.05	21.69	30.42	25.08
Pathanamthitta	-	-	-	-	-	-	-	-	-	-	-	-	25.42	20.87	28.84	24.73
Alleppey	5.32	4.08	12.72	9.89	15.33	12.09	19.00	15.31	20.83	16.03	22.02	16.63	25.96	19.34	29.67	23.61
Kottayam	5.18	4.00	12.36	10.44	14.17	11.92	16.83	-	21.25	-	21.58	18.16	25.45	20.00	26.60	20.75
Idukki	-	-	12.45	9.62	13.69	11.13	15.40	11.99	18.51	13.58	19.20	14.98	23.28	18.09	25.00	19.50
Ernakulam	5.00	4.08	11.50	8.50	14.75	10.61	16.00	12.00	19.50	13.42	21.25	14.36	25.83	16.19	29.11	20.50
Trichur	5.00	3.37	12.63	9.16	16.07	12.37	22.94	14.07	26.53	15.26	27.43	16.81	29.63	20.36	31.26	21.08
Palghat	4.70	2.64	9.22	6.71	11.52	7.38	12.58	8.67	14.22	9.34	14.97	10.11	15.80	11.58	17.50	12.84
Malappuram	-	-	11.47	9.03	15.56	10.57	20.47	15.00	22.92	16.34	25.24	19.00	28.30	23.19	29.29	24.38
Kozhikode	6.22	3.70	15.3	11.53	18.22	12.89	20.75	17.94	23.00	20.00	24.00	21.50	29.33	25.00	29.33	25.00
Wynad	-	-	-	-	-	-	-	-	-	-	-	-	22.94	13.97	25.61	15.53
Cannanore	6.60	3.29	13.50	9.78	17.00	12.00	18.00	12.00	18.50	12.50	24.07	16.03	28.90	19.76	32.32	21.18
<b>State</b>	<b>5.40</b>	<b>3.68</b>	<b>12.30</b>	<b>9.62</b>	<b>15.22</b>	<b>11.40</b>	<b>17.85</b>	<b>13.53</b>	<b>20.29</b>	<b>14.81</b>	<b>21.90</b>	<b>16.37</b>	<b>25.31</b>	<b>19.08</b>	<b>27.66</b>	<b>21.05</b>

Sources: Director of Economics & Statistics

## 5.2 Average daily wage rates of unskilled labour in the Construction Sector (Urban)

District	1970-71		1980-81		1981-82		1983-84		1984-85		1985-86		1986-87	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Trivandrum	5.18	4.10	12.42	10.85	16.10	11.20	17.35	11.78	22.10	13.50	23.43	17.57	24.70	20.10
Quilon	5.25	4.00	13.20	10.82	15.25	12.88	22.38	20.38	23.62	20.92	25.98	22.25	31.10	25.80
Pathanamthitta	-	-	-	-	-	-	-	-	-	-	26.88	19.31	29.13	20.81
Alleppey	5.61	4.38	13.60	11.70	16.00	13.85	21.63	17.60	23.42	19.20	27.32	23.78	32.45	25.32
Kottayam	5.64	4.00	12.52	10.64	14.40	12.08	20.93	17.80	21.12	17.97	24.40	19.67	27.33	21.59
Idukki	-	-	13.41	10.03	17.01	13.24	19.86	14.93	19.92	15.76	23.26	18.00	26.13	20.81
Ernakulam	6.80	4.60	13.12	9.75	15.43	10.83	19.50	13.98	21.25	14.57	25.75	16.50	29.62	21.06
Trichur	5.97	3.69	12.63	9.60	16.25	12.45	24.40	16.48	25.97	17.65	28.38	19.51	30.11	26.13
Palghat	4.05	2.66	9.65	7.01	12.20	9.15	14.58	9.38	15.64	9.80	17.15	11.88	19.45	13.65
Malappuram	-	-	12.56	9.98	15.97	11.69	24.85	18.00	25.25	19.25	27.13	22.41	30.00	24.50
Kozhikode	6.30	3.99	15.80	11.37	18.50	13.50	27.50	22.38	28.75	23.75	31.50	25.75	31.50	25.50
Wyanad	-	-	-	-	-	-	-	-	-	-	26.13	15.03	26.13	16.93
Cannanore	6.61	3.88	14.85	10.67	18.25	13.50	20.00	14.00	23.76	17.79	31.76	20.81	31.76	22.95
<b>State</b>	<b>5.71</b>	<b>3.92</b>	<b>13.07</b>	<b>10.22</b>	<b>15.94</b>	<b>12.22</b>	<b>21.18</b>	<b>16.10</b>	<b>22.80</b>	<b>17.38</b>	<b>28.42</b>	<b>19.42</b>	<b>28.42</b>	<b>21.93</b>

## 5.3 Agricultural Wages - Yearly Average

Category	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>Paddy Field Labour</b>								
Men	11.13	12.74	13.29	15.86	23.60	26.08	28.36	30.36
Women	7.91	8.83	9.55	11.02	11.89	15.10	16.39	17.68
<b>Other Agricultural Labourers</b>								
Men	11.06	12.59	13.36	15.39	23.45	25.96	29.17	30.89
Women	8.27	9.68	10.44	11.95	15.98	19.13	20.71	22.63

Source: Director of Economics &amp; Statistics

5A Progress of Women's Industrial Units  
Established upto Feb: 1989

Sl. No.	District	75-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	Upto 2/89
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1.	Trivandrum	9	16	35	40	64	65	89	103	113	116	138	165
2.	Gullon	10	14	22	41	56	56	68	83	96	110	120	147
3.	Alleppey	5	6	30	33	33	52	67	77	89	100	115	140
4.	Kottayam	3	3	26	30	37	47	53	80	88	103	139	158
5.	Idukki	-	5	9	10	10	22	32	40	42	45	53	63
6.	Ernakulam	4	14	25	60	65	72	72	110	130	152	167	215
7.	Trichur	19	28	37	42	115	125	133	137	159	171	193	233
8.	Palghat	8	10	17	19	19	22	41	43	49	51	60	78
9.	Melappuram	5	10	10	12	25	25	46	50	50	65	76	91
10.	Calicut	5	7	16	27	37	37	70	78	82	92	111	143
11.	Cannanore	5	7	24	37	39	39	70	75	78	81	100	100
12.	Pathanamthitta	-	-	-	-	-	-	15	15	22	35	42	63
13.	Wayanad	-	-	-	-	-	-	-	5	7	10	13	14
14.	Kasargod	-	-	-	-	-	-	-	5	8	12	13	19
<b>Total</b>		<b>73</b>	<b>120</b>	<b>251</b>	<b>351</b>	<b>500</b>	<b>562</b>	<b>756</b>	<b>901</b>	<b>1013</b>	<b>1143</b>	<b>1340</b>	<b>1633</b>

**N.B.:** The Industries Department implements a scheme for giving special incentives to women entrepreneurs from the year 1979-80 onwards. Units owned/organised by women providing employment to women (not less than 80% of the total workers) alone are recognised by the Department as Womens Industrial Units.

## 5.5 Category-wise strength of Vanitha Police Force

Category (1)	YEAR	
	1978 (2)	1988 (3)
Circle Inspector	-	1
Sub Inspector	9	12
Head Constable	21	60
Police Constable	233	308
<b>Total</b>	<b>263</b>	<b>381</b>

Source: Director General of Police

## 5.6 N.C.C. Strength

Year	Senior Division			Junior Division		
	Total	Girls	% of girls to total	Total	Girls	% of girls to total
1975-76	8522	1422	16.6	21572	2150	10.0
1976-77	10273	1635	15.9	18122	1908	10.5
1977-78	10507	1850	17.6	21152	2126	10.1
1978-79	10940	1882	17.2	22385	2250	10.1
1979-80	22393	3554	15.9	43612	4300	9.9
1980-81	21313	3649	17.1	43809	4300	9.8
1981-82	19553	3047	15.6	42469	4390	10.3
1982-83	19714	3061	15.5	43445	4250	9.8
1983-84	13272	2310	17.4	24530	2585	10.5
1984-85	15976	2652	16.6	30547	2995	9.8
1985-86	20513	3243	15.8	43965	4222	9.6
1986-87	21922	3434	15.7	44879	4480	10.0
1987-88	21649	3307	15.3	44787	4660	10.4
1988-89	22969	3385	14.7	45346	4670	10.3

Source: N.C.C. Directorate

**5.7 Maternity Benefits in respect of the factories covered  
by the Maternity Benefit Act 1961**

Year	No. of establishments		Average daily No. of women employed	No. claimed Maternity Benefit	Claims accepted & paid fully or partly
	Covered by the Act.	Which sub- mitted an- nual returns			
(1)	(2)	(3)	(4)	(5)	(6)
1961	877	428	51476	5689	5289
1971	887	622	24924	1445	1439
1981	1095	629	88297	716	465
1982	886	786	67137	984	812
1983	1084	737	51904	631	614
1984	1390	880	43452	355	355
1985	1296	805	59337	419	369
1986	1296	921	51035	477	477
1987	1426	942	63094	441	441

Source: Directorate of Factories & Boilers

**5.8 Maternity Benefit in respect of Plantations covered  
by the Maternity Benefit Act 1961**

Year	No. of establishments		Average daily No. of women employed	No. claimed Maternity Benefit	Claims accepted & paid fully or partly
	Covered by the Act.	Which sub- mitted an- nual returns			
(1)	(2)	(3)	(4)	(5)	(6)
1961	405	250	42673	7908	7908
1971	459	269	44127	9615	9591
1981	484	362	54618	6811	5720
1982	473	279	41152	5377	5324
1983	468	334	43150	4610	4519
1984	552	392	48196	4718	4438
1985	559	343	45913	4937	4646
1986	613	384	58232	4078	3935
1987	538	342	50418	2896	2896

Source: Chief Inspector of Plantations





799

