

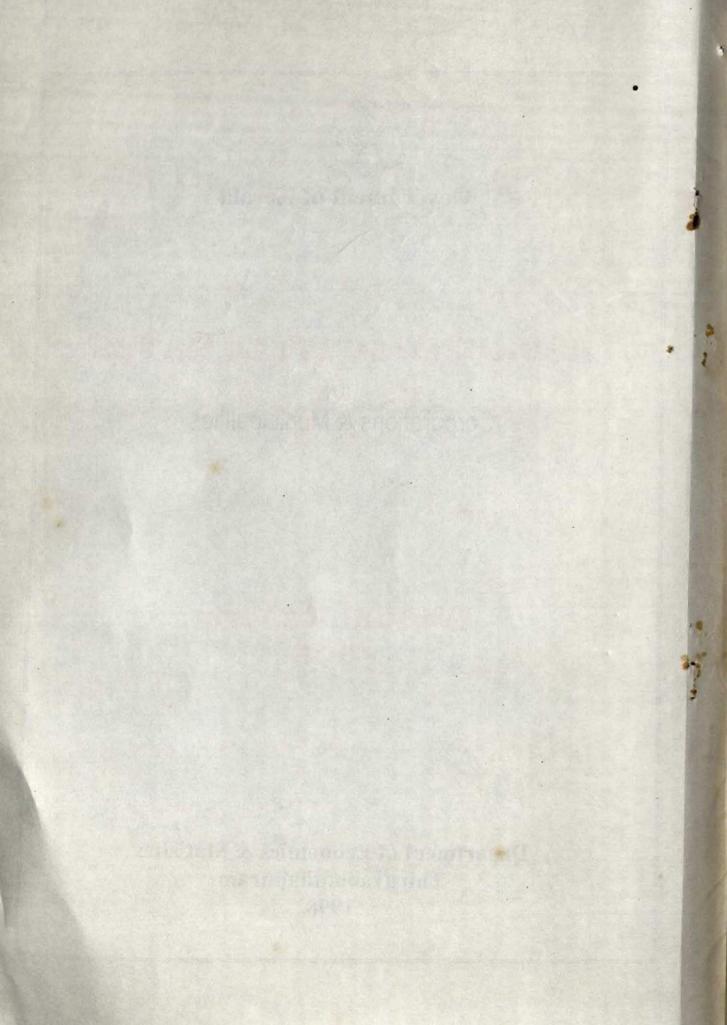
Government of Kerala

### RESIDENTIAL VITAL RATES

in Corporations & Municipalities

Annual Report 1995

Department of Economics & Statistics
Thiruvananthapuram
1998



### Government of Kerala



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### PREFACE

This report presents the residential vital rates of births and deaths in the selected Municipalities/Corporations for the year 1995.

The rates are estimated from the registered births and deaths to the normal residents after making adjustments for under registration and for events occurring outside the Municipal/Corporation areas,

in the selected Municipalities/ Corporations.

This report is prepared by the Vital Statistics division of the Directorate of Economics & Statistics Department.

Thiruvananthapuram 22/04/1998

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### CONTENT

1	Talken B	· · · · · · · · · · · · · · · · · · ·	Page No.
1	Introduct	ion .	3
2	Coverage	of the Survey	4
3	Limitations	s of the Survey	4
4	General fin	dings of the Survey	5
5	Conclusio	n strong and strong and the strong a	10
6	Table 1	Projected mid year Population from 1994 -2000	12
	Table 2	Number of medical institutions and its bed strength	14
	Table 3	Number of burial grounds and cremation grounds	16
	Table 4	Number and area of registration units with density of population 1995	18
	Table 5	Total Vital events registered 1995	19
	Table 6	Deaths according to cause 1995	23
	Table 7	Results of Spot Check	25
	Table 8	Under Registration and occurrence of outside events	27
	Table 9	Registered vital rates and adjusted residential vital rates 1995	28
	Table 10	Adjusted Residential Vital rates from 1988 to 1994	29

Page No.		toutoute!
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### REGIDENTIAL VITAL RATEGI995

### 1. Introduction

Civil Registration system is the primary source of population data. For the efficient functioning of Civil Registration System, the Government of India had implemented the Births and Deaths Registration Act in 1969. Accordingly this Act is being enacted in all the States and Union Territories of India for netting all the events occurred in the respective registration units. As per this Act, all the events occurred should be registered in the concerned registration unit. The Act stipulates both punishment and fine to the responsible person for negligence in registration. Not withstanding certain level of under registration of events also occurring in almost all registration units in the state. This would create problem for arriving at the actual change in population.

Urban and rural is the first level classification in population. Usually the urban population is enhancing regularly due to the reasons like rapid industrialization, vast development in trade and commerce.

At National level in the division of urban population, Kerala stood third viz. The medium and low ie, the urban population of Kerala is in the range between 15 % to 20 % of total population. While analyzing the birth rate, death rate and expectation of life etc. both urban and rural figures are approximately same. The Rural-Urban birth rates, death rates and expectancy of life from 1985-95 is given below.

### Birth rate

Rural /Urban	1985	1990	1992	1993	1994	1995
Rural	23.1	19.6	17.6	17.5	17.3	18.1
Urban	24.1	19.8	18.3	17.3	18.0	17.7

### Death Rate

Rural /Urban	1985	1990	1992	1993	1994	1995
Rural	6.5	6.0	6.3	6.0	5.9	6.0
Urban	6.6	6.1	6.5	5.8	6.4	6.0

### Expectation of Life for 1985-95

Rural /Urban	Male	Female
Rural	68.7	73.9
Urban	68.8	74.8

Source: S.R.S Analytical Studies Report Vol. Of 1996

Generally the Registration of Vital events are always very high in urban areas, than in the rural areas. This is due to the accommodation of more rural people in the urban areas for availing modern medical facilities installed in urban areas. As per the existing Registration Act the events are registered where it occurred and not as per the place of residence of the people. Accordingly under registration would be very high in urban areas due to the occurrence of large number of events in the towns, Municipalities and Corporation areas where medical facilities are more compared to rural areas.

The scheme of residential vital rates are implemented in the selected municipalities/Corporations for the following objectives.

- To estimate the under registration of vital events in the respective Municipalities/Corporations.
- II. To estimate the residential vital rates of Municipalities/ Corporations.
- III. To find out the major causes of death occurred therein.

### 2. Coverage of the Survey

At present the spot check survey is covered in 30 Municipalities and 3 Corporations of the State. The field work of the survey is being conducted by the statistical staff posted in the concerned Municipalities/ Corporations under the supervision of the Additional District Officer (Sample Registration). For conducting survey, 15 wards have been selected at random from the total wards in the concerned Municipalities/Corporations. In the case of Guruvayoor municipality all the wards have been selected for the survey. In Kollam and Alappuzha Municipalities, 18 wards have been selected for the survey. This survey was not conducted in Cherthala Municipality due to administrative reasons.

### 3. Limitations of the Survey

The most important limitation of the survey is the less coverage. The prime objective of the survey is to find out the under registration of events. However, the data arrived from this survey is partial. For obtaining under registration in urban areas, it should be extended to the entire urban areas of the state. A comparative study is not possible under this survey. If this survey is extended to rural areas, a comparative study between urban and rural under registration could be made possible. Similarly a state level under registration can be estimated only after extending this survey to rural areas and also to the remaining municipalities of the state.

The vital events to normal residents estimated through spot check survey comprise the following.

- i. Events occurring inside the town and registered.
- ii. Events occurring inside the town but not registered.
- iii. Events occurring outside the town registered and not registered.

### 4. General findings of the survey

This table represents the estimated mid-year population of the selected Table 1 Corporations/Municipalities of the state. Cochin Corporation occupies the corporations followed by the population among largest Thiruvananthapuram Corporation. In the case of Municipalities, Alappuzha Municipality has the largest population followed by Kollam Municipality. The lowest estimated Population during the period was reported from Kunnamkulam Municipality, The Census population of 1991 and estimated population in 1995 reveal that population of all Municipalities/Corporations were increasing except in Kottayam, Aluva, Thrissure and Thalassery Municipalities.

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Table 2 This table presents the number of hospitals, dispensaries and other institutions, maternal and child health centres both in public and private existed in the respective municipalities/corporation areas. As regards to public hospital, maximum number were reported in Thiruvananthapuram corporation with 19 followed by Cochin corporation with 15. In the case of bed strength in public sector, it was also highest in Thiruvananthapuram corporation with 6738 beds followed by Kozhikode corporation with 3805 beds. The lowest number of public hospitals were in Attingal, Punalur, Chalakudy, Guruvayur, Kunnamkulam and Kannur. In these places only one public hospital was reported. The lowest number of bed strength in public hospital was reported from Guruvayur municipality with 30 numbers.

Highest number of private hospitals was reported in Cochin Corporation with 63 followed by Thiruvananthapuram Corporation with 37. Regarding the bed strength in private hospital, Cochin Corporation stood first with 3844 beds followed by Thiruvananthapuram Corporation with 1352 beds.

The lowest numbers of private hospitals were reported in Chittoor municipality having only 2 hospitals.

During the period under report maximum number of public dispensaries & other institutions was reported in Kozhikode Corporations with 12 numbers followed by Kollam municipality with 7 numbers. Private dispensaries and institutions were maximum in Alappuzha with 127 numbers followed by Kozhikode Corporation with 88 numbers. Guruvayur and Kunnamkulam municipalities were having no private dispensaries and institutions.

At present, the Government is imparting more importance to public maternity and child health centers in order to bring down the maternal deaths and infant mortality of the state. Survey results reveal that maximum number of these centers were in Thiruvananthapuram corporation with 34 followed by Kollam municipality and Cochin corporation with 72 numbers each. However, Kayamkulam, Mavelikara, Thiruvalla, Aluva, Irinjalakuda, Kodungaloor, Chalakkudy, Thrissur, Chittur, Thalassery and Kasaragod municipalities were having no public maternity and child health centers during the period under survey. As per survey report, private maternity and child health centers were not existing in all the selected municipality/corporations.

Table 3 This table is pertaining to the details of existing number of registration units, area and density of population of the respective Municipalities/Corporations. All the selected municipalities having only one Registration unit each. The largest area among the Corporations was eccupied by Cochin corporation and Punalur was the municipality in that category.

During the year under report, density of population was reported highest in Kollam municipality followed by Thiruvananthapuram corporation with density 7612 and 7237 respectively. Punalur was having the lowest followed by Pala municipality.

Table 4 This table displays the number of burial and cremation grounds existed in the municipalities/corporations. Generally both burial and cremation grounds were maximum in Cochin corporation with 8 numbers followed by Thiruvananthapuram corporation with 4 numbers. However, Aluva, Kodungalloor, Chittur and Kasaragod municipalities were having no public burial grounds. Burial grounds under private sector was maximum in Cochin corporation with 40 numbers followed by Thiruvananthapuram with 27 numbers.

Most of the selected municipalities were having no public cremation grounds while private cremation grounds were existing in certain municipalities. It was reported maximum in Alappuzha with 19 numbers followed by Cochin corporation and Thalassery municipality with 11 numbers each.

Table 5 During the year under report total events of births & deaths were maximum in Thiruvananthapuram corporation. While analyzing the data of vital events, it is seen that most of the events occurred in these municipalities/corporations belonged not that of normal residents but of outside people.

According to the survey results, maximum number of live births were reported from Thiruvananthapuram corporation with 34155 numbers of which male and female break up were 18112 and 16043 respectively. Out of the total live births the number of live births of normal residents were only 19257 and the male and female break up were 9750 and 9507 respectively. Vive births was 2<sup>nd</sup> highest in Kozhikode corporation with 31097 numbers of which the events of normal residents were only 12311. In the case of municipalities, live births were maximum in Thrissur municipality with 14352 numbers of which the events of normal residents were only 1005 numbers. Guruvayur municipality was reported the lowest live births during the period under report with 937 numbers only with only 49 events of normal residents.

Maximum number of still births was reported from Kozhikode corporation having 577 numbers. However such events of normal residents were only 281 numbers. The next highest still births was reported from Thrissur municipality with 264 numbers. While the events of normal residents were only 13 numbers. Changanassery and Chittur municipalities were having only one still birth each.

In the case of infant deaths it was reported highest in Thiruvananthapuram corporation with 657 numbers of which the events of normal residents were only 225 numbers followed by Kozhikode corporation with 582 numbers of which the events of normal residents were only 261 numbers. Similarly infant deaths of normal residents were nil in Attingal, Vaikom, Aluva, Paravoor, Guruvayur and Thrissur municipalities.

The notable feature of the survey was the absence of maternal deaths from any selected municipality/corporation.

Events of other deaths was maximum in Thiruvananthapuram with 7869 numbers where in the events of other deaths (excluding infant deaths and still birth) deaths to normal residents was only 2848. Next in the list stood Kozhikode corporation with 7046 numbers. Among the selected municipalities minimum other death was reported from Attingal municipality having only 153 numbers.

Table 6 This table pertains to the cause of death occurred in these municipalities/corporations. Heart decease was predominant among the various causes of death. During the period under report death due to heart decease was highest in Thiruvananthapuram corporation with 4011 numbers. Cancer was the second major cause of death occurred in the municipality/corporation. In this case also Thiruvananthapuram corporation topped in the list with 618 deaths. A major portion of deaths was happened due to other causes of deaths in all selected centers.

Table 7 This table provides the details regarding the registration of events and place of occurrence of events to normal residents. As regard to number of non-registration of events, it was highest in Cochin corporation with 56 followed by Thrissur municipality with 22 numbers. In most all municipalities, a good number of events occurred in outside area. There was no under registration of infant deaths in any selected centers except in Mavelikara municipality. In respect of other deaths under registered were reported maximum in Cochin corporation with 101 numbers followed by Kozhikode corporation with 63 numbers. A good number of deaths were happened the jurisdiction outside in all municipalities.

Table 8 The ultimate objective of this survey was to find out the level of under registration of vital events for assessing the functioning of Civil Registration system in the state. This table depicts the percentage of under registration existing in these municipalities/corporations. Out of 34 municipalities/corporations only 10 numbers were having a very small percentage of under registration of birth events. Among these, the highest percentage was noted in Thrissur municipality with 11.64 followed by Cochin corporation with 3.92 %. In respect of under registration of death events, out of the 34 municipalities/corporations, 11 numbers were having no under registration of deaths. The highest under registration of death events with 17.87 % was noticed in Cochin corporation followed by Paravoor municipality with 15.49 %. In short, under registration of death events was higher than that of the birth events.

Usually there is inflow of rural people to urban areas for obtaining more modern medical facilities. But the survey results indicated that the outflow of urban people of these selected municipalities/corporations were very high in all most all centers. Out side events of birth were reported the highest in Irinjalakuda municipality with 73.60 % followed by Guruvayur municipality with

73.60% followed by Guruvayoor municipality with 72.47 %. As regards to outside events of deaths to normal residents, it was also high in all most all municipalities. Thiruvananthapuram corporation and Thiruvalla municipality were having no outside events of deaths. Vadakara municipality was having the highest number of outside events of deaths with 37.58 % followed by Kannur with 37.10 %.

Table 9 This table gives the details of registered and adjusted residential vital rates of normal residents. The highest birth rate as per the registration of birth events was reported from Thalasery municipality with 51.72 followed by Thiruvananthapuram corporation by 35.48. In respect of lowest birth rate as per the registration of birth events was reported in Vaikom municipality with 2.17. But the death rate was highest in Kozhikode corporation with 10.22 followed by Thiruvananthapuram corporation with 5.88 and lowest in Thiruvalla municipality with 0.0046.

Adjusted residential vital rates of births was also reported highest in Thalassery municipality with 55.20 followed by Neyyattinkara municipality with 39.23 and the lowest was reported in Guruvayur municipality with 8.35. Relating to adjusted residential rate of deaths, it was highest in Kozhikode corporation with 12.57 followed by Mavelikara municipality with 7.13 and the lowest rate of deaths was reported in Thiruvalla municipality with 0.0046.

Table 10 This table represents the birth rate and the death rate from 1988 to 1994 of the respective municipalities/corporations. The study reveals that the birth rate and death rate are being decreased regularly in almost all the municipalities/corporations.

Most of the live births and infant deaths of normal residents had been registered municipalities/corporations while in the case of other deaths, registration was not functioning properly. This may be due to the reasons such as occurrence of deaths in the residence, concealment of certain deaths, ignorance of people for registering the events etc. The most highlighting aspect relating to the survey was the non reporting of maternal deaths from any units selected for the survey. As regards to cause of deaths, heart disease was the primary cause in almost all the centers. In respect of outside events of normal residents, birth events were very high in this selected urban area. It recorded that the outflow of urban population to other areas was due to certain reasons like obtaining more medical facilities, seeking employment purpose etc. in municipal areas.

### APPENDIX

Method of calculation of Adjusted Residential Vital Rates

Residential vital rates can broadly be defined as the rate of occurrence of vital events to the normal residents of an area in an year. In order to calculate the percentage of under registration the events occurring to persons coming to the town/city to avail themselves of better medical facilities are excluded and those of normal residents who are going outside the town are to be included.

- Percentage of under registration
- No. of events occurred to normal residents inside the town but not registered x 100

  No.of events occurred to normal residents inside the town registered and not registered.
- Percentage of events occurred outside the town to normal residents
- No. of events occurred to normal residents outside the town registered and unregistered x 100

Total no.of events enumerated and occurred to normal residents inside and outside and outside the town.

- Registered birth/death rate to normal residents
- Total no. of birth/death occurred to normal residents and registered in the town x 1000
- 4. Residential birth/death rate to normal residents occurred inside the town (weighted for under registration)
- Mid year population of the town.

 Final Residential birth/ death rate (weighted for outside events) Registered birth/death rate x 100 (100 - percentage of under registration)

Residential birth/death rate to normal residents occurred inside the town (weighted for under registration) x 100

(100 - percentage of events occurred outside the town to normal residents)

Table I

Estimated Mid-year Population of Municipalities and Corporations 1993 to 2000 AD (as on ff July)

					1			31.00	-			230	200	-		-		
2000	11	32939	565325	35695	141658	49522	73085	29985	179197	46151	57742	52905	61987	22141	22431	29910	617137	- 24312
1999	10	32659	560747	35354	141463	49164	72425	29800	178706	45840	57417	52855	62111	22114	22359	29653	611281	24361
1998	6	32282	556206	35016	141269	48808	71771	29616	178216	45531	57094	52805	62235	22087	22287	29398	605481	24410
1997	8	32107	551702	34681	141075	48455	71123	29433	177728	45224	56773	52755	62360	22060	22215	29145	599736	24459
1996	7	31834	547234	34349	140881	48105	70481	29251	177241	44919	56454	52706	62485	22033	22144	28895	594045	24508
1995	9	31564	542803	34021	140687	47757	69844	29070	176755	44616	56136	52657	62610	22006	22073	28647	588408	24557
1994	5	31296	538407	33696	140494	47412	69213	28890	176271	44315	55820	52608	62735	21979	22002	28401	582825	24607
1993	4	31030	534047	33374	140301	47069	68588	28711	175788	44016	55506	52559	62861	21952	21931	28157	577295	24657
1991 Census Population	3	30419	524006	32634	139852	46279	67151	28299	174666	43326	54780	52445	63155	21890	21788	27595	564589	24744
Municipality/ Corporation	2	Neyyattinkara	Thiruvananthapuram	Attingal	Kollam	Punalur	Kayamkulam	Mavelikara	Alappuzha	Cherthala	Thiruvalla	Changanacherry	Kottayam	Palai	Vaikom	Muvattupuzha	Kochi Corporation	Aluva
SI.No.	1	1,	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.

Residential Vital Statistics 1995, Department of Economics Statistics, Thiruvananthapuram.

Table 1 - Estimated Mid-year Population of Municipalities and Corporations 1993 to 2000 A.D Contd.....)

Corporation	1991 Census Population	1993	1994	1995	1996	1997	1998	1999	2000
2	3	4	2	9	7	80	6	10	11
Paravur	27906	28298	28468	28639	28811	28984	29158	29333	29509
Perumbavoor	24667.	25057	25226	25396	25567	25739	25913	26088	26264
rrinjalakuda	27491	27828	27973	28119	28266	28414	28562	28711	28861
Kodungallur	31249	31972	32287	32605	32926	33250	33577	33907	34241
Chalakudy	45069	45844	46180	46519	46860	47204	47550	47899	48250
Thrissur	74604	73850	73529	73210	72892	72575	72260	71946	71634
Guruvayoor	20216	20809	21069	21332	21598	21868	22141	22417	22697
Kunnamkulam	19657	19708	19730	19752	19774	19796	19818	19840	19862
Palakkad	123289	126283	127588	128906	130238	131584	132944	134318	135706
Chittoor- Thathamangalam	32048	32448	32619	32791	32964	33138	33313	33489	33665
Thirur	49453	51724	52728	53752	54795	55859	56943	58048	59175
Malappuram	49692	52341	53518	54721	55951	57209	58495	59810	61155
Kozhikode Corpo.	419831	425987	428652	431334	434033	436748	439480	442229	444996
Vadakara	72434	74511	75418	76337	77267	78208	79161	80125	81101
Thalasserry	103579	78559	78807	79056	79356	79556	79808	80060	80313
Kannur	65238	66293	66750	67210	67674	68141	68611	69084	69561
Kasaradod	50126	51015	52700	F3497	5430B	55128	55962	56809	57688

Table 2

# Number of Hospitals and other Institutions 1995

No.         Beds No.         No.         Beds No.         No.         Beds No.         Public         Private         Total         Incomplex No.         Private         Total         Incomplex No.         Beds No.         No.         Beds No.         Beds No.         Beds No.         Beds No.         Public         Private         Total         Incomplex No.         Beds No.         Public         Pub	14	Municipality/			Hos	Hospitals	1000		Dis	pensar	Dispensaries & other Institutions	her In	stitutio	ns	Ma	Maternity & Child Health Center	& Chil	d Heal	th Cen	ter
No. Beds   No. Beds		Corporation	Pu	plic	Priv	rate	To	tal	Pub	lic	Priva	te	Tot	a	Pul	blic	Priv	/ate	Total	tal
2         3         4         5         6         7         8         9         10         11         12         13         14         15         16         17         12         2         1         11         12         13         14         15         16         17         2         1         11         12         12         2         1         11         12         2         1         1         12         2         1		corporation	No.	Beds	No.	Beds	No.	Beds	-	Beds	-	Beds		Beds	No.	Beds	No.	Beds	No.	Beds
Neyyattinkara         3         320         6         42         9         362         1         11         12         2           Thiruvanantha-         19         6738         37         1352         56         8090         6         32         38         34           Attingal         1         60         8         360         27         2199         7         70         77         12           Kollam         6         950         21         1249         27         2199         7         70         77         12           Rohalmulam         3         170         12         275         12         369         1         70         77         12           Mavelikara         2         267         7         315         445         8         8         8           Mavelikara         2         267         7         315         445         8         8         4           Cherthala         3         350         7         841         14         14         14         14         14           Cherthala         3         350         7         841         14         14 <t< td=""><td></td><td>2</td><td>3</td><td>4</td><td>5</td><td>9</td><td>7</td><td>00</td><td>6</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></t<>		2	3	4	5	9	7	00	6	10	11	12	13	14	15	16	17	18	19	20
Thiruvanantha-         19 6738         37 1352         56 8090         6         32         38         34           Puram         Attingal         1         60         8         360         9         420         4         16         20         3           Kollam         6         950         21 1249         27 2199         7         70         77         12           Rollam         6         950         21 1249         27 2199         7         70         77         12           Rollam         1         144         11 225         12 369         1         22         23         4           Kayamkulam         3         170         12 275         15 445         8         8         8           Alappuzha         8         1648         5         120         13 1768         2         127         129         6           Cherthala         3         350         7         841         10         1191         14         14         14           Cherthala         3         350         7         841         10         14         14         14         14         14         14         14         1	3.17	Neyyattinkara	3	320	9	42	6	362	1	1000	11		12		2				2	
Attingal         1         60         8         360         9         420         4         16         20         3           Kollann         6         950         21         1249         27         2199         7         70         77         12           Punalur         1         144         11         225         12         369         1         22         23         4         12           Kayamkulam         2         267         7         315         9         582         10         10         10         4           Mavelikara         2         267         7         315         9         582         10         10         10         12         12         4         10         11         11         11         11         11         11         11         11         11         11         11         11         12         12         12         <		Thiruvanantha- puram	19	6738	37	1352	10000	0608	9	1 8/	32	10000	38		34	8000	100		34	
Kollam         6         950         21         1249         27         2199         7         70         77         12           Punalur         1         144         11         225         12         369         1         22         23         4           Kayamkulam         3         170         12         275         15         445         8	16	Attingal	1	09	8	360	6	420	4		16		20		3		100		3	
Punalur         1         144         11         225         12         369         1         22         23         4           Kayamkulam         3         170         12         275         15         445         8         8         8         8           Mavelikara         2         267         7         315         9         582         10         10         10         10           Alappuzha         8         1648         5         120         13         1768         2         127         129         6           Cherthala         1         14         10         1191         14         14         14         14           Changanacherry         2         214         31         305         33         519         28         28         4         2           Kottayam         4         497         11         409         15         905         1         54         55         3           Vaikom         2         304         2         12         40         40         1           Wuvattupuzha         3         376         12         460         15         84         12<	1170	Kollam	9	950	21	1249	O-III	2199	7		70		77		12	Desta			12	
Kayamkulam         3         170         12         275         15         445         8         8         8         8         8         8         8         8         8         8         8         8         8         8         Mayor Interval	660	Punalur	-	144	11	225	12	369	7.		22		23		4			1	4	
Mavelikara         2         267         7         315         9         582         10         10         10         10           Alappuzha         8         1648         5         120         13         1768         2         127         129         6           Cherthala         3         350         7         841         10         1191         14         14         6           Thiruvalla         3         350         7         841         10         1191         14         14         6           Changanacherry         2         214         31         305         35         519         28         28         4           Kottayam         4         497         11         409         15         906         1         54         55         3           Palai         3         293         9         612         12         905         22         22         22         1           Valikom         2         304         2         460         40         40         40         40         40         40           Kochi         15         1973         6         12         912 </td <td>118</td> <td>Kayamkulam</td> <td>8</td> <td>170</td> <td>12</td> <td>275</td> <td>15</td> <td>445</td> <td>The same</td> <td>The second</td> <td>8</td> <td>-</td> <td>80</td> <td></td> <td></td> <td>1000</td> <td></td> <td></td> <td>0</td> <td></td>	118	Kayamkulam	8	170	12	275	15	445	The same	The second	8	-	80			1000			0	
Alappuzha         8         1648         5         120         13         1768         2         127         129         6           Cherthala         3         350         7         841         10         1191         14         14         6         6           Thiruvalla         3         350         7         841         10         1191         14         14         6         7         8         4         7	1	Mavelikara	2	267	7	315	0	582	00		10	13000	10	SE PER		E1800	E A	689		1000
Cherthala         3         350         7         841         10         1191         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         14         15         16         17         18         18         19         15         10         11         40         15         906         1         54         55         3         4         22         22         22         22         1         4         1	18	Alappuzha	8	1648	5	120	13	1768	2		127-		129		9				9	
Thiruvalla         3         350         7         841         10         1191         14         14         14         14         4           Changanacherry         2         214         31         305         33         519         28         28         4         4           Kottayam         4         497         11         409         15         906         1         54         55         3         1           Palai         3         293         9         612         12         905         22         22         1         1           Valikom         2         304         2         18         4         322         40         40         1         1           Muvattupuzha         3         376         12         460         15         836         1         33         34         2         2           Kochi         15         1973         63         3844         78         581         6         78         84         12         7           Aluva         2         237         10         675         12         912         29         29         29         29	18	Cherthala				1000	1					5000								7.000
Changanacherry         2         214         31         305         33         519         28         28         4           Kottayam         4         497         11         409         15         906         1         54         55         3           Palai         3         293         9         612         12         905         22         22         1           Vaikom         2         304         2         18         4         322         40         40         1           Muvattupuzha         3         376         12         460         15         836         1         33         34         2           Kochi         15         1973         63         3844         78         5817         6         78         84         12           Corporation         2         237         10         675         12         912         29         29         29         9		Thiruvalla	3	350	7	841	10	1191			14		14		1			0.00		
Kottayam         4         497         11         409         15         906         1         54         55         3           Palai         3         293         9         612         12         905         22         22         1           Valikom         2         304         2         18         4         322         40         40         1           Muvattupuzha         3         376         12         460         15         836         1         33         34         2           Kochi         15         1973         63         3844         78         5817         6         78         84         12           Corporation         2         237         10         675         12         912         29         29         29         9		Changanacherry	7	214	31	305	33	519	704		28		28		4				4	1
Palai         3         293         9         612         12         905         22         22         1           Vaikom         2         304         2         18         4         322         40         40         1           Muvattupuzha         3         376         12         460         15         836         1         33         34         2           Kochi         15         1973         63         3844         78         5817         6         78         84         12           Corporation         2         237         10         675         12         912         29         29         29	1400	Kottayam		497	11	409	15	906	1		54		55	700	3				3	
Vaikom         2         304         2         18         4         322         40         40         40         1           Muvattupuzha         3         376         12         460         15         836         1         33         34         2           Kochi         15         1973         63         3844         78         5817         6         78         84         12           Corporation         2         237         10         675         12         912         29         29         29		Palai	3	293	6	612	12	908		TIK STATE	22		22		1				1	
Muvattupuzha         3         376         12         460         15         836         1         33         34           Kochi         15         1973         63         3844         78         5817         6         78         84           Corporation         2         237         10         675         12         912         29         29	1	Vaikom	2	304	2	18	4	322			40	Sales of the sales	40		1	T WAR		1	1	
Kochi         15         1973         63         3844         78         5817         6         78         84           Corporation         2         237         10         675         12         912         29         29	1.	Muvattupuzha	3	1100	12	460	15	836	۲		33		34		2	1000000			2	
Aluva 2 237 10 675 12 912 29		Kochi Corporation	15		63		78	5817	9		78	Y	84		12				12	
		Aluva	2		10	No.	12				29		29	200						

Residential Vital Statistics 1995, Department of Economics Statistics, Thiruvananthapuram.

Table 2 - Number of Hospitals and other Institutions 1995 (Contd...)

The state of				Hospitals	itals			Dis	pensari	es & o	ther in	Dispensaries & other Institutions	us	Ma	Maternity & Child Health Centre	S CE	а неа	In Cer	2
5	Municipality/	Public	olic	Private	ate	Total	a	Public	ollic	Private	ate	Total	al	Public	olic	Pri	Private	To	Total
. S	Corporation	No.	Beds	No.	Beds	No.	Beds	No.	Beds	No.	Beds	No.	Beds	No.	Beds	No.	Beds	No.	Beds
-	2	3	4	5	9	7	80	6	10	11	12	13	14	15	16	17	18	19	20
18	Paravur	2	185	8	379	10	564	3		. 33		36		2				2	
	Perumpayoor	2	246	8	505	10	751	1		13	N. S. L.	14	100	9	100			9	
20.	Irrinialakuda	3	248	4	59	7	307	1		2		3	2		200				
21.	Kodungallur	2	234	5	307	7	541	8		28		28	0	-			7		
22.	Chalakudy	1	144	6	360	10	504	2		25	N. C.	27		3			1 1 1 1	2	
23.	Thrissur	5	1398	14	893	19	2291	1		13		14		4	1			4 +	
24	Guruvayur	1	30	7	201	80	231			ALC:		-	1	-	1				
25.	Kunnamkulam	-	124	3	320	4	444	2				2	1		The Spirit		1	- 0	
26.	Palakkad	4	739	17	491	21	1230	2		11		13		3				2	
27.	Chittoor-	2	128	2	28	4	156	1		12	THE ACT	13		100					
	Thathamangalam			THE STATE OF		2				7				•		1000		2	1
28.	Thirur	9	184	6	225	15	409	9	No.	2000	201	0 8	1	20			TANK TANK	0 0	
29.	Malappuram	4	257	5	316	6	573	-		27		87	-	7				2 4	
30.	Kozhikode	o	3805	33	1218	42	5023	12		88	0	300	10	n				9	
1	Corpor.	C	OVC	4.0	440	11	REO	1	To the second	97	-	98		7				Line of	
31.	Vadakara	7	1	4	410	1	200	- 0		11		16	1000	To the same					58.07
32.	Thalasserry	2	555		477	19	1032	7		+		12			A			1	5
33.	Kannur	-	125	27	510	25	635			91		- 00		Dillo I	0	100			
34	Kasaradod	2	223	6	490	11	713			7.7		77							

Table 3

Registration units with Area and Population 1995

-		CO LINE WAS A PERSON	SAN COLUMN	The state of the s	Samuel	2000	The state of the s		
SI.No	Municipality	S.C.*	S.T.*	No.of Reg. units	Area in Sq.km	Area per Reg. units	Mid year popula-tion	Population per Reg.	Density per-
-	2	3	4	5	9	7	o o	Units	
1.	Neyyattinkara	2514	80	,	9.70	070	04504	20110	2
2.	Thiruvananthapuram	43207	FEO	7.0	1.00	9.70	31564	31564	3254
3	Affingal	10701	000	CI	(4.93	2.00	542803	36186	7237
	Kellem	nace	6	1	14.18	14.18	34021	34021	2399
j 1	Nollain	10112	84	2	18.48	18.48	140687	140RR7	7612
5.	Punalur	4150	318	-	34.60	34 60	47757	47767	7107
9	Kayamkulam	4491	75	1	2179	21.70	ROBAN	41131	1380
7.	Mavelikara	3851	14		12.65	12 85	20070	03044	3205
8.	Alappuzha	3978	281	6	AR 77	72.20	476755	0/067	8677
6	Cherthala	1526	54	1	16.10	40.03	00/0/1	883//5	3/93
10.	Thiruvalla	4892	285		07.01	10.18	44616	44616	2757
11	Changapacherny	7007	45		21.34	27.94	56136	56136	2009
12	Kottowan	4000	0	7 1	13.50	13.50	52657	52657	3900
12	Poloi	4/10	9/1	2	15.55	7.78	62610	31305	4023
	raia	929	33		15.93	15.93	22006	22006	1381
4.	Valkom	1732	25	1	8.73	8.73	22073	22073	2528
.0.	Muvattupuzha	1541	37	W. 41.42.84	13.18	13.18	28647	28647	2173
16.	Kochi Corporation	19621	943	2	94.88	47.44	588408	294204	6201
17.	Aluva	1013	5	1	7.18	7.18	24557	24557	3420

\* S.C/S.T Population as per 1991 Census

Table 3 - Registration units with Area and Population 1995 (Contd...)

Density per Sq.Km.	10	3112	1868	2501	1884	1843	5782	3286	2837	4846	2229	0700	3240	1628	5213	3578	5146	6087	3207	
Population per Reg. units	6	28639	25396	28119	32605	46519	12201	21332	19752	128906	32791	0	53752	54721	30810	76337	39528	16802	26748	HAT OF ST.
Mid year popula-tion	80	28639	- 25396	28119	32605	46519	73210	21332	19752	128906	32791		53752	54721	431334	76337	79056	67210	53497	Contraction of the
Area per Reg. units	7	9.02	13.59	11.24	17.30	25.23	2.11	6.49	96.9	26.60	14.71		16.59	33.61	5.91	21.33	7.68	2.76	8.34	
Area in Sq.km	9	9.02	13.59	11.24	17.30	25.23	12.65	6.49	96.9	26.60	14.71		16.59	33.61	82.68	21.33	15.33	11.03	16.68	10 FOOT
No.of Reg. units	2		1	1	-	-	9		1		7		1	1	14		2	4	2	1007
. S.T.*	4	118	34	2	No.	15	27	3	5	76	38		12	6	301	48	62	23	131	101
S.C.*	3	1328	2295	2757	2729	3371	3635	2254	2338	9757	3785		2686	2626	18014	1539	1996	4415	1817	1101
Municipality/ Corporation	2	Paraviir	Perimpayoor	Irrinialakuda	Kodindallir	Chalakudy	Thriseur	Christon	Kunnamkulam	Dalakkad	Chittoor-	Thathamangalam	Thirur	Majappiliam	Kozhikode Corpo	Vadalara	Thologonia	Managariy	Kararad	Nasaragou
SI.No	1	18	10	20	24	33	23	24.	24.	26.	27.	S.A.	28	200	30.	24.00	.10	32.		34.

Table 4

Number of Burial Grounds, Cremation Grounds and Civil Registration Units

SI		Bui	rial Grou	nds	Crem	ation Gr	ounds	Regis	no. of tration nits
140	Corporation	Mun/ Corp	Priv- ate	Total	Mun/ Corp.	Priv- ate	Total	No.of wards	No.of units
1	2	3	4	5	6	7	8	9	10
1.	Neyyattinkara	1	4	5		3	3		
2.	Thiruvananthapuram	4	27	31	1	5	5		NO B
3.	Attingal	1	1	2		5	5		
4.	Kollam	2	20	22		5-13	Marie 1	200	a Sulfe
5.	Punalur	1	16	17	3/2/3/3	3.155			
6.	Kayamkulam	1	14	15	1	3	4		
7.	Mavelikara	1.1	9	10	in turn d	1	1		Maried
8.	Alappuzha	3	2	5		19	19		
9.	Cherthala						1		
10.	Thiruvalla	1	1	2					
11.	THE REPORT OF THE PROPERTY OF	1	12	13		1	1		
12.	Kottayam	1	15	16	1	1	2	No the last	
13.	Palai	1	5	6					
14.	Vaikom	1	2	3					
15.	Muvattupuzha	1	8	9	50 8		M. DAY	19880	
16.	Kochi Corporation	8	40	48	5	11	16		
17.	Aluva		7	7		3	3		
18.	N.Paravur	1	7	8	1	7	8	NEW BIN	
19.	Perumbavoor	1	-8	9		1	1	ASSESSED NO.	
20.	Irrinjalakuda	1	5	6	1	1	1		
21.	Kodungallur		2	2	THE PARTY NAMED IN	100			P P CONTRACT
22.	Chalakudy	2	8	10		1	1		
23.	Thrissur	3	11	14	2	1	3	1920	BYTTME
24.	Guruvayoor	1	4	5	1	1	2		
25.	Kunnamkulam	1	1	2			SUPERIOR AND ADDRESS OF THE PARTY OF THE PAR	100	191000
26.	Palakkad	4	7	11	3	1	4		
27.	Chittoor- Thathamangalam		1	1	3		3		
28.	Thirur	2	- 301	2	377			Sale Ca	ALC: U
29.	Malappuram	1	10	11		1	1		
30.	Kozhikode Corpor.	2	9	11	4	2	6		
31.	Vadakara	1	8	9	Manual Land	-			
32.	Thalasserry	1	15	16	1	11	12		
33.	Kannur	1	13	14	1		1	ENGLISHED R	
34.	Kasaragod		12	12	2	1	3	Real Property lives	

Table 5

Vital events registered during the year 1995

283				Live Births	lirths					Still Births	irths		
SI.No	Municipality/ Corporation	T. S.S.	Total Events	S	Eve	Events to normal residents	mal	1	Total Events		Events to	Events to normal residents	esidents
	The state of the s	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	9	2	8	6	10	11	12	13	14
1.	Neyyattinkara /	2116	2091	4207	234	225	459	は十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	3500	3			
2.	Thiruvananthapuram	18112	16043	34155	9750	9507	19257	132	125	257	88	64	152
3.	Attingal	883	897	1780	110	116	226	7	2	6	2		2
4.	Kollam	0689	6610	13500	1177	1121	2298	329	31	63	5	4	6
5.	Punalur	1588	1713	3301	348	306	654	5	7	12			
6.	Kayamkulam	1697	1550	3247	424	401	825	4	3	7	1		100
7.	Mavelikara	2126	1968	4094	155	155	315	10	7	17	1	-	2
8.	Alappuzha	5928	5256	11184	1283	296	2250	78	36	114	15	8	23
6	Cherthala			Town Services			Capter	THE REAL PROPERTY.	Tell Co.	NOW.	To the second	12	
10.	Thiruvalla	2562	2496	5058	211	237	448	12	13	25		3	. 3
11.	Changanacherry	1247	1223	2470	296	285	581	-		1	1		-
12.	Kottayam	1649	1618	3267	187	187	374	7	2	0		The state of the s	
13.	Palai	1302	1564	2866	91	99	147	18	. 12	30	1		1
14.	Vaikom	712	675	1387	29	11	144	2	2	6	1		-
15.	Muvattupuzha	1644	1605	3249	130	107	237	5	5	10	1000	L. E. S. S.	IN SALI
16.	Kochi Corporation	9862	9404	19267	3840	3651	7491	99	47	113	26	18	44
17.	Aluva	2531	2477	5008	86	82	168	13	10	23	4		

Residential Vital Statistics 1995, Department of Economics Statistics, Thiruvananthapuram.

Table 5 - Vital events registered during the year 1995 (Contd.....)

0	1		-			300			CHILD LIAN	- this		
Paravur Perumbav	The state of the s	Total Events	v.	Eve	Events to normal	nal				SILIUS		
Paravur Perumbavoor	-	SHE	TINES I	1000	residents	100	10	Total Events	S	Events t	Events to normal residents	esident
Paravur Perumbavoor	Male	Female	Total	Male	Female	Total	Male	Female	Total		-	
	3	4	5	C	7	0	200	Ciliaro	lotal	Male	Female	Total
	1628	1510	2117	116	457	0	0	10	110	12	13	14
1	4400	2400	1100	140	/61	302	9	16	. 22			
20 Irrinialalanda	1193	1160	2354	116	109	225	9	α	11	-		1
	792	842	1634	99	62	128	7	0 4	1 0		-	
	2353	2311	4664	176	145	321		0	2	2		4
	2071	2054	4125	249	226	175	4 0		7			
23. Thrissur	7013	7330	14350	YOY	544	0/4	2	2	9		-	
24. Guruvavoor	707	100	7004	101	2110	1005	123	141	264	7	C C	13
-	404	4/3	937	24	25	49	3	7	10			
	1294	1210	2504	41	96	67	2	0	2	21		1
	6398	6023	12421	1240	1042	2000	2	0	2			
27. Chittoor-Thathamangalam	858	846	1704	218	150	7077	40	46	110	9	3	6
28. Thirur	4011	434R	8357	240	700	2000	6		110			
29 Malanniram	0750	1000	500	010	321	040	4	2	6	0	No Clark	
	7017	5097	5358	455	444	895	9	3	6	1		
	14909	16185	31097	6183	6128	12311	305	272	577	140	120	00
	3314	3151	6465	367	330	697	13	12	25	Ct	701	107
	5063	4912	9975	2218	1871	4089	48	CP	00	12	0	1
	2456	2242	4698	397	384	781	13	13	26	5	0 +	17
34. Kasaragod	3537	3494	7031	478	485	063	OV	AR	000	7		

Residential Vital Statistics 1995, Department of Economics Statistics, Thiruvananthapuram.

Table 5 - Vital events registered during the year 1995 (Contd....)

Total Events   Total Events to normal   Total Events to normal   Total Events   Total Events   Total Male   Fem   Total Male   To	S. S.		4		Infant Death	Death					Other Deaths	eaths			10000		Total Death	Death		
Male Fem         Total Male Fem         Total Allva         Male Fem         Fem         Total Allva         Male Allva         Fem         Total Allva         Total Allva         Fem         Total Allva         Total Allva         Fem         Total Allva         Total	2	Colporation	To	otal Eve	ents	Even	ts to n	ormal	To	tal Even	ts	Even	s to no	rmal	To	tal Even	ts	Ever	Events to normal residents	rmal
Neyyattinkara         15         16         17         18         19         20         21         22         23         24         25         26         27         28         7           Neyyattinkara         4         1         5         4         1         4         177         100         277         62         34         96         181         101           Attingal         3         259         657         105         120         225         2598         4271         762         34         96         181         101           Attingal         93         72         165         15         7         22         156         643         199         35         47         182         386         47         175         182           Attingal         3         2         3         1         2         145         34         443         96         473         86         56         147         175         175         175         175         175         175         175         175         175         175         175         175         175         175         175         175         175         175		The state of the second	Male	Female	Total	Male	Female	Total	Male	Female	Total	10000	Fema	Total	Male	Female	Total	Male	Female	Total
Neyyattinkara         4         1         5         4         177         100         277         62         34         96         181         101           Thiruvanantha-puram         398         259         657         105         120         225         2598         4271         7869         1476         1372         2848         3996         4530         8           Attingal         1         1         1         2         165         15         7         22         1156         643         1799         355         186         521         1249         715         18           Kollam         93         72         165         15         7         22         1156         643         1799         355         186         715         130         87         67           Kollamur         93         72         165         15         7         22         1166         443         90         69         159         138         138           Asyamkulam         35         36         71         2         3         277         166         443         90         69         159         159         159         159		The state of the s	15	91	- 17	18	19	20	21	22	23	24	25	26	27	28	. 29	30	31	32
Thiruvanantha-         398         259         657         105         120         225         2598         4271         7869         1476         1372         2848         3996         4530         8           Attingal         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         2         1156         643         1799         335         186         521         1249         715         1         1         1         1         2         1156         643         1799         335         186         521         1249         715         1         1         2         1156         643         1799         335         186         715         1         2         1         2         1142         385         366         144         111         1249         715         1         1         2         1142         385         366         144         111         252         113         368         369         186         189         189         189         189         189         189         189<	÷	Neyyattinkara	4	-	5	4		4	177	100	777	62	34	96	181	101	282	99	34	100
Attingal         1         1         1         1         1         2         87         66         153         56         47         103         87         67           Kollam         93         72         165         15         7         22         1156         643         1799         335         186         521         1249         715         1           Punalur         7         9         16         3         3         243         142         385         86         56         142         250         151         1         1         1         2         190         136         326         141         111         252         193         138         185         86         56         151         182         182         182         182         182         182         182         182         182         182         183         186         55         194         19         194         19         194         19         194         19         182         194         19         194         19         19         19         19         19         19         19         19         19         19         19         <	2.	Thiruvanantha-	398	259	657	105	120	225	2598	4271	7869	1476	1372	2848	3996	4530	8526	1581	1492	3173
Kollam         93         72         165         15         7         22         1156         643         1799         335         186         521         1249         715         1           Punalur         7         9         16         3         3         243         142         385         86         56         142         250         151           Kayamkulam         3         2         5         1         1         2         190         136         326         141         111         252         193         138           Maveilikara         20         16         36         3         2         5         277         166         443         90         69         159         297         182           Alappuzha         90         84         174         22         17         166         443         90         69         159         297         182           Cherthala         7         7         5         5         550         368         918         138         121         259         585         404           Chargana         7         7         4         1         5         4	3.	Attingal	The state of the s	1	1	To the last	1000		87	99	153	56	47	103	87	19	154	56	-47	103
Punalur         7         9         16         3         243         142         385         86         56         142         250         151           Kayamkulam         3         2         5         1         1         2         190         136         326         141         111         252         193         138           Mavelikara         20         16         36         3         2         5         277         166         443         90         69         159         297         182           Alappuzha         90         84         174         22         17         166         443         90         69         159         297         182           Alappuzha         90         84         174         22         17         166         443         90         69         159         297         182           Cherthala         7         7         7         5         5         550         368         918         112         259         585         404           Changana-         7         7         4         1         5         110         236         50         10         4	4	Kollam	93	72	165	15	7	22	1156	643	1799	335	186	521	1249	715	1964	350	193	543
Kayamkulam         3         5         1         1         2         190         136         326         141         111         252         193         138           Mavelikara         20         16         36         3         2         5         277         166         443         90         69         159         297         182           Alappuzha         90         84         174         22         17         39         1210         795         2005         430         69         159         297         182           Cherthala         35         36         71         2         3         5         500         368         918         138         121         259         287         180         879         180         879         180         879         180         879         180         879         180         879         180         879         180         879         180         879         180         879         180         879         180         879         180         879         180         879         180         879         879         180         879         879         180         879	5.	Punalur	7	6	- 16		3	3	243	142	385	86	99	142	250	151	401	98	59	145
Mavelikara         20         16         36         3         2         5         277         166         443         90         69         159         297         182           Alappuzha         90         84         174         22         17         39         1210         795         2005         430         395         825         1300         879         2           Cherthala         35         36         71         2         3         5         550         368         918         138         121         259         585         404           Changana- Changana- Changana- Charny         7         7         5         5         168         107         275         112         81         193         175         107           Charnyam         9         7         16         4         1         5         419         239         658         194         99         293         428         246           Voisikom         2         2         1         1         2         114         102         286         51         44         110         223         428         110           Wuvattupuzha         10 <td>9</td> <td>Kayamkulam</td> <td>. 3</td> <td>2</td> <td>5</td> <td>1</td> <td>1</td> <td>2</td> <td>061</td> <td>136</td> <td>326</td> <td>141</td> <td>1111</td> <td>252</td> <td>193</td> <td>138</td> <td>331</td> <td>142</td> <td>112</td> <td>254</td>	9	Kayamkulam	. 3	2	5	1	1	2	061	136	326	141	1111	252	193	138	331	142	112	254
Alappuzha         90         84         174         22         17         39         1210         795         2005         430         395         825         1300         879         2           Cherthala         35         36         71         2         3         5         550         368         918         138         121         259         585         404           Changana- cherry         7         7         5         5         168         107         275         112         81         193         175         107           Cherry cherry         7         16         4         1         5         419         239         658         194         99         293         428         246           Kottayam Palai Nuvattupuzha Kochi         10         7         17         1         1         242         116         358         75         44         119         252         123           Kochi         192         130         324         58         40         98         3557         2016         5575         1779         1179         2958         3749         2150           Corporation         9 </td <td>7.</td> <td>Mavelikara</td> <td>20</td> <td>91</td> <td>36</td> <td>. 3</td> <td>2</td> <td>5</td> <td>277</td> <td>166</td> <td>443</td> <td>06</td> <td>69</td> <td>159</td> <td>297</td> <td>182</td> <td>479</td> <td>93</td> <td>71</td> <td>164</td>	7.	Mavelikara	20	91	36	. 3	2	5	277	166	443	06	69	159	297	182	479	93	71	164
Cherthala         35         36         918         138         121         259         585         404           Changana- cherry         7         7         5         5         168         107         275         112         81         193         175         107           Changana- cherry         7         16         4         1         5         168         107         275         112         81         193         175         107           Kottayam         9         7         16         4         1         5         419         239         658         194         99         293         428         246           Palai         10         7         17         1         1         242         116         358         75         44         119         252         123           Wuvattupuzha         10         8         18         1         1         2         184         102         286         51         32         83         194         110           Kochi         192         33         77         44         33         77         242         150           Aluva         9	80	Alappuzha	06	84	174	22	17	39	1210	795	2005	430	395	825	1300	879	2179	452	412	864
Thiruvalla         35         36         71         2         3         5         550         368         918         138         121         259         585         404           Changana- cherry         7         7         5         6         107         275         112         81         193         175         107           Kottayam         9         7         16         4         1         5         419         239         658         194         99         293         428         246           Palai         10         7         17         1         1         242         116         358         75         44         119         252         123           Valkom         2         2         2         160         66         166         56         56         50         106         102         286         51         32         83         194         110           Kochi         192         130         324         58         40         98         3557         2016         5575         1779         1179         2958         3749         2150           Corporation         9         6	6	Cherthala			一つ十つ		THE PA	ちからから	The same		No.		1000			1000				The last
Changana- cherry         7         7         5         168         107         275         112         81         193         175         107           Cherry cherry         Kottayam         9         7         16         4         1         5         419         239         658         194         99         293         428         246           Palai         10         7         17         1         1         242         116         358         75         44         119         252         123           Vaikom         2         2         2         1         1         242         116         358         75         44         119         252         123           Wuvattupuzha         10         8         18         1         1         2         184         102         286         51         32         83         194         110           Kochi         192         133         144         377         44         33         77         242         150	10.	Thiruvalla	35	36	17	2	3	5	550	368	816	138	121	259	585	404	686	140	124	264
Kottayam         9         7         16         4         1         5         419         239         658         194         99         293         428         246           Palai         10         7         17         1         1         1         242         116         358         75         44         119         252         123           Vaikom         2         2         100         66         166         56         50         106         102         66           Muvattupuzha         10         8         18         1         1         2         184         102         286         51         32         83         194         110           Kochi         192         130         324         58         40         98         3557         2016         5575         1779         1179         2958         3749         2150           Corporation         9         6         15         233         144         377         44         33         77         242         150	11.	Changana- cherry	7	TENST.	7	2		5	891	107	275	112	81	193	175	107	282	117	81	198
Palai         10         7         17         1         1         242         116         358         75         44         119         252         123           Vaikom         2         2         1         1         2         184         102         286         51         32         83         194         110           Kochi         192         130         324         58         40         98         3557         2016         5575         1779         1179         2958         3749         2150           Corporation         9         6         15         15         44         377         44         33         77         242         150	12.		6	7	91	4	1	5	419	239	. 658	194	66	293	428	246	674	198	100	298
Vaikom         2         2         100         66         166         56         50         106         102         66           Muvattupuzha         10         8         18         1         1         2         184         102         286         51         32         83         194         110           Kochi         192         130         324         58         40         98         3557         2016         5575         1779         1179         2958         3749         2150           Corporation         9         6         15         233         144         377         44         33         77         242         150	13.	1000	10	7	17		1	1	242	116	358	75	44	1119	252	123	375	75	45	120
Muvattupuzha         10         8         18         1         2         184         102         286         51         32         83         194         110           Kochi         Corporation         2         130         324         58         40         98         3557         2016         5575         1779         1179         2958         3749         2150           Corporation         9         6         15         -         233         144         377         44         33         77         242         150	14.		2	1	2	1	100	120	100	99	166	99	20	901	102	99	168	99	50	106
Kochi         192         130         324         58         40         98         3557         2016         5575         1779         1179         2958         3749         2150           Corporation         9         6         15         233         144         377         44         33         77         242         150	15.	Muvattupuzha	10	8	18	1	1	2	184	102	286	51	32	83	194	110	304	52	33	85
Aluva 9 6 15 233 144 377 44 33 77 242	16.	Kochi	192	130	324	58	40	86	3557	2016	5575	1779	1179	2958	3749	2150	5899	1837	1219	3056
	17.	Aluva	6						233	144	377	44	. 33	77	242	150	392	44	33	77

Table 5 - Vital events registered during the year 1995 (Contd....)

Admin of the last			Infant Death	Death	The state of the s	1000	CONTRACTOR OF	747	Other	Other Deaths	7	THE REAL PROPERTY.		The State of	Total	1		-
Corporation	To	Total Events	nts	Ever	Events to nor residents	normal	Te	Total Events	unts	Eve	_   has b	ormal	F	Total Events	nte ote	Fver	Events to normal	ormal
Thought	Male	Female	Total	Mal	Fem	Total	Male	Fem	Total	Malo	Fem		2/4	Fem	211	113	residents	ts
2	15	16	17	18	10	00	10	ale	200	O I	ale	lotai	Maie	ale	Total	Male	rem	Total
Paravur	7	9	13	1		27	2000	77	73	24	25	26	27	28	29	30	31	23
Perumbayoor	2	9	0	1	1	-	607	154			48	115	216	140	356	67	48	
Irrinjalakuda	8	4	12	-	1		17.3	CII		1	29	62	175	121	296	33	30	53
Kodungallur	12	13	25	, ,	C	1	104	84	238		53	130	162	88	250	78	53	
Chalakudy	H	16	27	1	1 11	+ 0	017	14/	357		74	160	222	091	382	88	76	1
Thrissur	211	189	400	9	0	0 0	807	148	406	1	98	188	269	164	433	102	89	
Guruvayoor	4	3	7		-	OI.	0121	110/	2317	177	125	302	1421	1296	2717	183	129	317
Kunnamkulam	5	11	16	1	-	-	24	41	75	116	29	183	120	70	190	34	41	75
Palakkad	88	58	146	2	2	- 3	710	45	92	150	84	234	155	95	250	49	44	93
Chittoor-	7	3	101		7	2 6	214	747	261	956	562	1488	1014	620	1634	317	249	566
Thathamangalam	0	100		1	CONTRACT OF	2	101	9/	183	130	93	223	137	96	233	110	16	186
Thirur	27	28	55	1		1	20	00	101	-		The state of	Action leading	1,500				
Malappuram	27	26	53	-	6	1	00	60	1/4	197	259	520	288	287	575	85	68	174
Kozhikode	328	254	582	135	126	176	0636	1510	001	177	127	354	254	153	407	86	65	163
Corpora.		9	Side Dis		2	107	7023	OICI	4149	4362	2684	7046	4690	2938	7628	2774	1636	4410
Vadakara	25	12	37	2	3	5	171	143	214	9.40	000	000	010		No. of Lot, House, etc., in such supplies to the supplies to t	Statistics of the last	1	
Thalasserry	41	31	72	7	5	12	209	108	707	240	200	679	5/3	285	859	173	146	319
Kannur	41	28	69	4	2	9	128	134	267	205	300	500	325	430	1287	216	203	419
Kasaragod	31	36	19	5	4	6	122	85	202	200	677	320	210	233	289	132	136	268

Residential Vital Statistics 1995, Department of Economics Statistics, Thiruvananthapuram.

Table 6

## Deaths according to causes 1995

	lstoT	17	000	707	9768	154	1964	401	224	470	2470	6113	080	000	707	9/0	375	168	304	5899	392	1
COR THE	Others	16	000	707	3572	100	1331	307	105	108	9499	7777	044	222	277	670	244	109	185	4312	356	
	Pulminory Disea-ses	15	2				99	91	7	18	12	7	32	30	200	47	91	6	がゆうて	100	11	
-	Heart Failure	14	-	4044	401	49	544		84	207	107		A STATE OF THE PERSON NAMED IN				20	99	119	1350	18	-
	Gastro	13						-								7	からの地		はの日	191	中心と	
	Cancer	12	11	140	0	5	14		18	18	35		11	16	23	707	2			20	7	100000000000000000000000000000000000000
The state of the s	Diphtheria	11			1			2										- State	100	100	300	100 1
	Rabies	10			1	A STATE OF THE PARTY OF THE PAR			1	-	2	The state				210	Townson or other		500	- 100	9	
	Enteric fever	6		100	1	The state of the s	8	1	5	THE PERSON NAMED IN	9		2	14		1	Samuel Samuel	3	5	10	100	1000
- Andrewson of the last of the	Respiratory	8	39	3	The same of the sa	The state of the state of		MO	21	38		1		17		OF	n t	10.00	28.00		3.0	では、
-	Dysentry & Diarohea	7 30		348		1	1	2002	20 1 1 2	2	2	The state of the s	To the second		6	1	-	THE PERSON NAMED IN	310	15	STATE OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AN	
	xoq lism2	9		1	-						1					100	1	1		心性生	Total Control	THE STATE OF
	Cholera	5									- 27					-	7		- 250	2		
The state of	Plague	4	1000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1						The state of	The same	1000		1				治	IG	
THE PERSON NAMED IN	8.7	3		37	000		-		1			STATE OF THE PARTY							71	06		
The state of the s	Municipality/ Corporation	2	Neyyattinkara	Thiruvananthapuram	Affincial	Ivelian I	Kollam	Punalur	Kayamkulam	Mavelikara	Alappuzha	Cherthala	Thiruvalla	Changanacherry	Kottayam	Palai	17.11	Vaikom	Muvattupuzha	Kochi Corpora.	Aluva	
1	No.	-	1	2.	3	,	7 1	0	6.	7.	8.	9.	10.	11.	12.	13		14.	15.	16.	17.	

- 3 5105

Table 6 - Deaths according to cause 1995 (Contd...)

letoT	17	356	296	250	382	433	2717	190	250	1634	233	1000	575	407	7628	658	1287	589	514
Others	16	283	272	237	294	266	2058	81	212	1323	221	1000	435	376	6873	646	800	539	473
Pulminory Disea-ses	15		12	3	72	2	Section 2	911	81 00			Control of the last of the las		10	164	2	120		28
Heart Failure	14	64		4		19	492	16	10	226	1000	4	110					38	
Gastro Enteritics	13								-		1				1. S. C. S.	No. of Contract of			
Cancer	77	20 2	- (	00	10	15	157	4	7	74	10	00	40	18	535	10	326	-	13
piphtheria 2	=					1		1000							12	三 新	080		
Sables 5	2											A STATE OF THE PERSON NAMED IN COLUMN 1			200	18.0			7
Enteric fever	,		6	4 8	0		,	C	0			1000	C	7	7	00	707		
Respiratory Diseases	,				130	2	08	60			BE	1.1.2			100 miles	Pal			
Dysentry & Disrohea						10	2		11	- 4		10		CF	74	24	17		Section with the
xoq lism2 @	The second second	The same of	1	The second	The state of								100000		-				
cholera			to lawy	San San								1000		10.50					
eugsiq 4					-							1		100	100	100			
8.T w			C LOW		した過		1			100									
Municipality/ Corporation	Faravur	Perumbayoor	Irrinjalakuda	Kodungallur	Chalakudy	Thrissur	Guruvayoor	Kunnamkulam	Palakkad	Chittoor-	Thathamangalam	Thirur	Malappuram	Kozhikode Corpo.	Vadakara	Thalasserry	Kannur	Kasaragod	
No. SI.	0.		70.	21.	22.	23.	24.	25.	26.	27.	-	28.	78.	30.	31.	32.	33.	34.	

Residential Vital Statistics 1995, Department of Economics Statistics, Thiruvananthapuram.

Table 7

Results of Spot Check 1995

The deal of the		No. of	Total	No. of			The state of the s	No. of	events (	detected	to norr	No. of events detected to normal residents	ents		1000000	年
Municipality/		wards	no. of	House		Live Births	irths			Infant Deaths	)eaths	The State of		Other deaths	eaths	
Corporation		select- ed	House	holds	Enume	Regis- tered	S.S.	occurred	Enume	Regis- tered	N. N.	occurred	Enume	Regis- tered	N.R	occurred
2		3	4	5	9	7	8	6	10	11	12	13	14	15	16	17
Neyyattinkara	ara	15	6245	6245	232	98	-	145	4	3		1	93	63	1	29
Thiruvanantha- puram	la-	15	25564	25564	380	380							139	138	1	
Attingal		15	6108	6108	299	143		156	The state of the s	子可	No. of the last of		88	77		12
Kollam		18	13775	13775	737	610		127	4	4			224	195		29
Punalur		15	7769	2269	260	198	43	62	1981				83	99	4	15
Kayamkulam	am	15	5262	5262	295	209	25 45	98	1883				87	83	50	4
Mavelikara	181	15	4606	4606	251	161	123	06	2	2	S. THE S.		122	96	8	18
Alappuzha	100	18	21016	21016	1138	954	32 1	183	14	13		1	418	380	10	28
Cherthala				0 2 2 2 3	Sacra L	18. E. C.	A STATE OF THE PARTY OF THE PAR								4	DE TO
Thiruvalla	Motor Const	15	6446	6446	181	110	2	69	3	3		1000	39	39		1000
Changana- cherry		15	6949	6949	172	5 110		62	149				104	81	FILE	23
Kottayam		15	5674	5674	321	163		158	The state of the s				136	101	9	29
Palai		15	2548	2548	167	96	No. of the last	72	The state of the s	19C 191		20165 19	59	46	2	11
Vaikom	No. of Lot	15	3476	54/6	174	48		126		10 CO		THE PERSON NAMED IN	101	70	2	29
Muvattupuzha	Izha	13	4181	4181	237	125	A PLAN	112	2	1	L		83	55	7	21
Kochi Corporation	u	15	28435	28435	1741	1369	56	316	5	2		3	587	464	101	22
Aluva		15	3731	3731	165	92	No. of Street, or other Persons and Person	73	STORY OF	The same			67	49	1	11

Table 7 - Results of Spot Check 1995 (Contd....)

		occurred	onieino	17	15	19	24	6	15	11	27	16	43	6		2	01	77	26	45	2
100	eaths	N.R.		16	11		4	10	25	12	5	8	7			7	63	20	2	3	
	Other deaths			15	09	34	62	89	83	136	75	85	189	85	00	00	27.4	90	105	72	1
ents	-35	Enume		14	98	53	90	87	123	159	107	109	237	94	00	25	ARR	165	130	120	2
al resid		occurred		13												The state of	The section		No. of Lot		
o norm	eaths	N.R.	40	7			THE STATE OF THE PARTY OF THE P	1									1			1	
ected t	Infant Deaths	Regis- tered	11				-	1 2 2	T I	1			2						100	3	
of events detected to normal residents	1	Enume	40	2			-	-		-			2	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		TO THE PERSON NAMED IN	4	-
No. of ev		occurred	0	110	000	76	131	06	111	133	129	158	195	83	38	163	194	102	29	88	16
	irths	N.R.	8	1			The state of the s	-	6	777	No. of the last	1	80	-		11.0	4	2	100000	Strong of	
	Live Births	Regis- tered	7	117	120	77	122	240	717	101	48	70	10/	103	305	380	1431	169	431	258	259
		Enume	9	227	212	178	223	200	322	470	0/-	770	924	187	343	543	1629	273	460	347	275
No. of	holds	visited	5	4449	3777	4082	4150	CVC3	6338	2063	2002	2000	17/6	4058	4160	5242	19829	5092	7980	4217	3159
Total	House House	sploy	4	4449	3777	4082	4159	5242	6338	2053	2825	0774	1116	4058	4160	5242	19829	5092	7980	4217	3159
No. of	50		3	15	15	15	15	15	15	15	15	15	2	15	15	15	15	15	15	15	15
Municipality			2	Paravur	Perumbayoor	Irrinjalakuda	Kodungallur	Chalakudy	Thrissur	Guruvavoor	Kunnamkulam	Palakkad	Chittoor-	Thathamangalam	Thirur	Malappuram	Kozhikode Corpo.	Vadakara	Thalasserry	Kannur	Kasaragod

Residential Vital Statistics 1995, Department of Economics Statistics, Thiruvananthapuram.

Table 8

Under Registration and Occurrence of outside events

SI.	Municipality/		er registration	% of outside	e registration
No	Corporation	Births	Deaths	Births	Deaths
1	2	3	4	5	6
1.	Neyyattinkara	1.15	1.49	62.50	30.93
2.	Thiruvananthapuram	Se la luk	0.72	The Print	112 10 20 2
3.	Attingal			52.17	13.48
4.	Kollam			17.23	12.72
5.	Punalur 7		5.70	23.85	15.60
6.	Kayamkulam		<b>以此外的人类的</b> 其实	29.15	4.60
7.	Mavelikara		7.55	35.86	14.52
8.	Alappuzha	0.105	2.47	16.27	6.48
9.	Cherthala		RESIDENCE.	on the second of	
10.	Thiruvalla	1.785		38.12	
11.	Changanacherry			36.05	22.12
12.	Kottayam		5.61	49.22	21.32
13.	Palai		4.16	43.11	18.64
14.	Vaikom		2.78	72.41	28.71
15.	Muvattupuzha		10.50	47.257	24.71
16.	Kochi Corporation	3.929	17.876	18.15	3.75
17.	Aluva		12.50	44.25	16.42
18.	N.Paravur		15.49	48.46	17.44
19.	Perumbavoor		NO MEDITOR TO DOT	43.40	35.85
20.	Irrinjalakuda		6.06	73.60	26.67
21.	Kodungallur		12.82	40.36	10.34
22.	Chalakudy		23.15	34.37	12.20
23.	Thrissur	11.64	8.11	41.30	6.92
24.	Guruvayoor		6.25	72.47	25.23
25.	Kunnamkulam		8.60	71.82	14.68
26.	Palakkad	1.05	3.54	20.44	17.84
27.	Chittoor- Thathamangalam	0.96		44.39	9.57
28.	Thirur San	A STATE OF	2.22	11.08	3.23
9.	Malappuram		BUTTO	30.02	10.64
30.	Kozhikode Corpo:	0.28	14.52	11.91	4.82
31.	Vadakara	1.17	4.85	37.36	37.58
2.	Thalasserry	F 977 19	STOLENS OF THE PARTY OF	6.30	19.23
3.	Kannur	0.39	3.85	25.36	37.10
34.	Kasaragod	11 1 10 to 10 10 10 10 10 10 10 10 10 10 10 10 10		5.82	6.67

Table 9

Registered Vital Rates and Adjusted Residential Vital rates 1995

SI	Municipality/	Registere	ed vital rates	Adjusted reside	ential vital rates
No		Births	Deaths	Births	Deaths
s dal	e en duo 2 A	ms Wang 3 lauris	0 0 4	Marito 5	6
1	Neyyattinkara	14.71	3.22	39.23	4.66
2.	Thiruvananthapuram	35.48	5.88	35.48	5.88
3.	Attingal	6.64	3.03	13.88	3.50
4.	Kollam	16.33	3.86	19.73	4.42
5.	Punalur	13.69	3.036	18.07	3.82
6.	Kayamkulam	11.81	3.64	16.67	3.81
7.	Mavelikara	10.80	5.64	16.84	7.139
8.	Alappuzha	12.74	5.22	15.22	5.59
9.	Cherthala			- Acilloval	The Translation
10.	Thiruvalla	8.04	0.0046	12.99	0.0046
11.	Changanacherry	11.03	3.76	17.25	4.83
12.	Kottayam	5.97	4.76	11.76	6.41
13.	Palai	6.68	5.69	11.74	6.99
14.	Vaikom	2.17	3.17	7.87	4.58
15.	Muvattupuzha	8.27	2.96	15.64	4.49
16.	Kochi Corporation	12.73	5.19	16.19	6.57
17.	Aluva	6.84	3.14	12.27	4.28
18.	Paravur	10.55	4.02	20.47	5.77
19.	Perumbavoor	8.86	2.48	15.65	3.87
20.	Irrinjalakuda	4.55	4.66	17.23	6.76
21.	Kodungallur	9.85	5.03	16.52	6.44
22.	Chalakudy	10.21	4.11	15.56	6.09
23.	Thrissur	13.73	4.26	26.47	4.98
24.	Guruvayoor	2.30	3.52	8.35	5.02
25.	Kunnamkulam	3.39	4.71	12.03	6.04
26.	Palakkad	17.70	4.39	22.49	5.50
27.	Chittoor- Thathamangalam	11.22	5.67	20.37	6.27
28.	Thirur	11.91	3.24	13.39	3.42
29.	Malappuram	16.43	2.98	23.48	3.33
30.	Kozhikode Corpo.	28.54	10.22	32.49	12.57
31.	Vadakara	9.13	4.18	14.75	7.05
32.	Thalasserry	51.72	5.30	55.20	6.56
33.	Kannur	11.62	3.99	15.64	6.60
34.	Kasaragod	18.00	4.04	19.11	4.33

Table 10

Adjusted Residential Vital Rates from 1988 to 1994

	1994		16	5.50	5.26	331	1 100	4.40	3.54	3.88	8.08	5.71	-	5.18	5.18	5.09	6.12	6.62	4.16	6.95	6.47	
	1993	200	15	1.71	4 94	2 10	0 - 0	4.55	3.99	4.34	8.01	5.61	11.04	5.47	5.68	6.35	7.43	6.57	4.81	6.81	5.32	
(1)	1002	100	14	251	3.62	0000	2.00	4.79	5.47	3.82	7.80	4.67	5.92	5.05	5.51	6.16	5.72	5.52	4.58	5.97	4.38	
Death Rate	4004	1991	13	4 03	2 88	0.00	4.37	8.18	5.91	4.35	6.04	2.23	6.63	5.86	4.95	6.16	6.32	7.20	4.27	-	1	
De	4000	1880	12	505	20.0	4.02	4.28	6.05	4.22	4.10	5.64	5.06	573	4 89	451	5.16	1	-	4 32	1	1	-
	0000	1989	44	A 72	2.00	3.80	4.45	5.19	4.32	5 12	7 42	5.27	8 12	F 40	A 98	4.30	4 49	-	1	S 2	-	
	0000	1988	40	2 4	0.13	3.59	4.63	4.05	451	612	7 50	20.0	7.05	C 4 7	20.12	5.22	3.20		1	07.0	1	
		1994	-	2000	78.80	32.23	11.87	19.35	CAL	45 77	10.0	70.00	10.00		10.04	71.07	10.04	10.01	10.00	19.07	17.11	12.70
		1993	,	0	16.13	30.00	11.31	18 62	20.00	37	10.71	18.02	13.78	15.09	10.02	23.12	9.88	13.25	21.84	12.40	16.27	13.20
	The state of the s	1992	-	1	17.83	27.32	14 88	18 07	10.00	20.11	1	16.03	14.07	10.62	14.76	21.67	10.98	17.61	15.44	14.69	17.38	14.51
Ale solo	BILLIN rate	1991		9	21.74	27.74	21.26	27.70	20.74	20.03	18.36	17.37	13.78	17.61	16.12	15.93	13.57	10.53	18.86	14.47	16.99	13.75
0	ā	1990	No. of Street, or other Persons and Street, o	2	31.48	30.98	26 44	00.10	77.17	14.5/	11.78	11 85	17.54	10.02	13.07	21.05	18.86	11.84	27.36	15.32	16.96	17.16
		1989		4	39.49	28 73	20.00	24.40	22.71	22.48	18.63	21.87	17.36	15.31	22.28	17.93	20.19	13.04	15.31	20.78	17.60	18.36
		1988		3	85	1	1	24.21	21.65	21.15	19.66	22.54	47 7.2	118.81	25.38	17.50	19.26	11.39	13.94	20.09	18 79	18.41
	Minipioinality/	100		6	Manufaliabara	Neyyattilikala	Thiruvananthapuram	Attingal	4 Kollam	1	1	Mayelikara	-	1		+	11. Changailacing		-		-	16. Kocni Corporation 17. Aluva

