

# **DEVELOPMENTAL INDICATORS AT DISTRICT LEVEL IN TAMIL NADU**

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## **DEVELOPMENTAL INDICATORS AT DISTRICT LEVEL IN TAMIL NADU**

### **INTRODUCTION**

Development is the process of improving the quality of all human lives. Three equally important aspects of development are: a) raising people's living levels, i.e., their incomes and consumption levels of food, medical services, education, etc., through "relevant" economic growth processes; b) creating conditions conducive to the growth of people's self-esteem through the establishment of social, political, and economic systems and institutions which promote human dignity and respect; and c) increasing people's freedom to choose by enlarging the range of their choice variables i.e., increasing varieties of consumer goods and services.

The human development concept evolved in the 1980s in response to the increasing emphasis on economic growth as a measure of development. Human Development is about people, about expanding their choices to live full, creative lives with freedom and dignity. Economic growth, increased trade and investment, technological advance are all very important. But they are means, not ends. Fundamental to expanding human choices is building human capabilities: the range of things that people can be. The most basic capabilities for human development are living a long and healthy life, being educated, having a decent standard of living and enjoying political and civil freedoms to participate in the life of one's community.

The status of the human development is studied only by the data available in various aspects about the population. The indicators on social, economic, health and environment aspect are the important measurements and it will also reflect the performance of the services provided by the government and the area that needs further improvement after assessing the unmet need. Although the valuable data on the health, socio-economic, environment and demographic status of the people is available in the concerned departments for every state and district there is a felt need to synthesis these data and disseminate them widely. It would stimulate the concerned district authorities to generate and provide more accurate and up-to-dated information in order to assess the progress and monitor the programme. Hence this compilation of developmental indicators has been initiated and hoping that this will be useful for managers of programmes at the district as well as state level and also easily accessible source of data for researchers. This compilation is not a complete one as the sources of data are not accessible due to several reasons.

## **OBJECTIVE**

The general objective of the present work is to compile the recent valuable data on social, economic, demographic, health and several other developmental indicators at the district level in Tamil Nadu.

## **METHODOLOGY**

For the present compilation of developmental indicators, efforts were made to use the most recent data available from the Census 2001, district reports of District Level Household Survey (DLHS) Reproductive and Child Health (RCH)(2002-2004), Directorate of School Education, Department of Economic and statistics (2004), Danida Health project (1997), Human development report (2003), Department of child labour, Directorate of Family Welfare (2004), Directorate of Public Health and Preventive medicine (2004). The main reference period for this compilation is taken as 2003-2004. However for non-availability of data for this reference period for some of the indicators the available data was collected for the previous years.

The developmental Indicators considered for this present compilation are presented below

### **Demographic Indicators**

Sex wise population in rural and urban areas.

Percentage of population in broad age groups (0-14, 15-59 and 60+) and dependency ratio.

Sex ratio, population density, life expectancy and growth rate

Percentage of urban population, scheduled caste and scheduled tribe, 2001

Mean age at marriage and percent marrying below legal age at marriage

Birth rate, death rate, total fertility rate and percent birth order of 3 or more

Neo-natal mortality rate, post-neonatal mortality rate, infant mortality rate, under five mortality rate, maternal mortality ratio and still birth rate

### **Social indicators**

Literacy rate for male, female and total

Gross enrolment rate and dropout rate

Number of engineering colleges

Number of Polytechnics

Human development index and Gender development index

Work participation rate and percentage of cultivators, agricultural workers, household industrial workers and other workers  
 Old age pension and total elderly beneficiaries

### **Economic Indicators**

Number of children (6-14 years) engaged in child labour  
 Percentage of population below poverty line  
 Electricity as source of lighting, latrine facilities, radio, TV and Telephone facilities.  
 Net area sown and Net area Irrigated  
 District income estimates net state domestic product at current prices and constant (1993-94) prices, 2004 (Rs.in Lakhs)

### **Health Indicators**

Tuberculosis and malaria cases  
 Disability (in seeing, in speech, in hearing, in movement and mental)  
 Antenatal checkup, availing two TT, received IFA (100+), received full antenatal care  
 Home delivery and safe delivery  
 Complication during pregnancy and post delivery and treatment sought  
 Breast feeding  
 Diarrhoea and pneumonia  
 AIDS cases  
 HIV Sero-positive (%) in ANC attendees  
 HIV Positive percentage at PPTCT Centres – 2004  
 HIV infection prevalence(%) in STD for years 2002 to 2005  
 Full vaccination  
 Nutritional status of children (0-36 months)  
 Adolescent anemia  
 Population per bed ratio and population per doctor ratio  
 Awareness about RTI/STI and HIV/AIDS  
 RTI/STI symptom experienced  
 Nutrition centers and beneficiaries of ICDS  
 Institutions functioning under Family Welfare Programme

**Contraception Indicators**

- Unmet need for limiting and spacing
- Couple currently using contraceptive methods
- Side effects of contraceptive use
- Acceptance of contraception at one child

**Other Indicators**

- Rainfall (in mm)
- Length of roads, 2002-03 (in kilometers)

Definition of Indicators and abbreviations used in this presentation are given in Annexure – I and Annexure-II respectively.

# **Chapter-I**

## **Demographic Indicators**

**Table 1.1 Sex wise population in rural and urban areas, 2001**

District / State	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
Thiruvallur	629052	625622	768355	731727	1397407	1357349
Chennai	-	-	2219539	2124106	2219539	2124106
Kancheepuram	676095	666407	781147	753819	1457242	1420226
Vellore	1088090	1081229	652993	655005	1741083	1736234
Dharmapuri	1240122	1160232	233475	222471	1473597	1382703
Thiruvannamalai	895738	889626	200121	200640	1095859	1090266
Villupuram	1277415	1256041	215027	211890	1492442	1467931
Salem	852453	773709	711180	675004	1563633	1452713
Namakkal	482365	465865	277186	268046	759551	733911
Erode	705436	682101	603842	590121	1309278	1272222
The Nilgiris	151874	155658	226477	228132	378351	383790
Coimbatore	734699	716954	1441332	1378871	2176031	2095825
Dindigul	629073	620689	339604	334188	968137	954877
Karur	310922	313508	154616	156640	465538	470148
Trichirapalli	638617	640587	569917	569245	1208534	1209832
Perambalur	206807	207619	39334	39886	246141	247505
Ariyalur	308670	308869	39093	39892	346763	348761
Cuddalore	771786	759248	379122	375239	1150908	1134487
Nagapattinam	576010	582547	163064	167218	739074	749765
Tiruvarur	463502	468729	117282	119961	580784	588690
Thanjavur	726493	741084	370145	378416	1096638	1119500
Pudukottai	600511	610706	123789	124595	724300	735301
Sivagangai	405093	424179	161854	164230	566947	588409
Madurai	573036	560989	730327	713849	1303363	1274838
Theni	255152	246957	297834	294007	552986	540964
Virudunagar	482626	491330	387750	389595	870376	880925
Ramanathapuram	433290	451920	150086	152308	583376	604228
Tuticorin	439254	468246	327569	337204	766823	805450
Thirunelveli	688797	726945	645142	663104	1333939	1390049
Kanniyakumari	289516	292591	542753	551174	832269	843756
<b>Tamil Nadu</b>	<b>17531494</b>	<b>17390187</b>	<b>13869415</b>	<b>13614583</b>	<b>31400909</b>	<b>31004770</b>

Source: Census of India 2001, Director of census operations, Tamil Nadu

**Table 1.2 Percentage of population in broad age groups (0-14, 15-59 and 60+) and dependency ratio, 2001**

District / State	0-14 years		15-59 years		60+ years		Dependency Ratio
	Male	Female	Male	Female	Male	Female	
Thiruvallur	13.9	13.3	34.2	32.0	3.5	3.7	527
Chennai	11.9	11.5	33.7	31.9	4.0	4.1	479
Kancheपुरam	13.9	13.4	32.6	31.7	4.0	4.1	550
Vellore	15.0	14.3	30.8	30.9	4.0	4.5	613
Dharmapuri	16.6	14.7	31.0	29.7	4.0	3.9	645
Thiruvannamalai	14.8	14.1	30.4	30.8	4.7	4.7	625
Villupuram	15.3	14.7	30.5	30.6	4.4	4.1	629
Salem	14.5	12.3	32.6	31.2	4.5	4.4	558
Namakkal	12.4	11.0	32.6	32.2	5.2	5.2	522
Erode	11.5	10.8	33.3	32.9	5.7	5.4	506
The Nilgiris	13.2	12.9	33.1	33.8	3.2	3.5	491
Coimbatore	11.7	11.3	34.0	32.7	4.6	4.5	482
Dindigul	13.6	12.7	31.8	32.2	4.6	4.5	553
Karur	12.8	12.0	31.8	33.0	5.1	5.2	542
Trichirapalli	13.3	12.7	32.1	32.6	4.4	4.6	541
Perambalur	14.7	13.6	30.3	32.1	4.7	4.4	601
Ariyalur	14.7	14.0	30.3	31.7	4.8	4.4	610
Cuddalore	14.6	14.1	31.5	31.6	4.1	3.8	580
Nagapattinam	14.2	14.0	30.6	31.7	4.5	4.4	595
Tiruvarur	13.9	13.6	31.4	32.5	4.3	4.2	562
Thanjavur	13.7	13.3	31.4	32.8	4.3	4.4	557
Pudukottai	14.5	13.9	30.8	32.1	4.2	4.2	584
Sivagangai	13.7	13.2	30.0	32.4	5.0	5.0	590
Madurai	13.6	12.7	32.0	31.7	4.2	4.3	545
Theni	14.4	12.9	31.4	31.5	4.4	4.7	580
Virudunagar	13.9	13.4	31.2	32.1	4.2	4.5	567
Ramanathapuram	14.9	14.5	29.8	23.5	4.3	4.4	617
Tuticorin	14.0	13.5	29.9	32.4	4.6	5.0	596
Thirunelveli	13.9	13.3	30.4	32.5	4.6	5.1	587
Kanniyakumari	12.6	12.3	32.0	33.0	4.9	4.9	535
<b>Tamil Nadu</b>	13.8	13.0	31.8	31.9	4.4	4.4	559

Source: Census of India 2001, Director of census operations, Tamil Nadu

**Table 1.3 Sex ratio, population density, life expectancy at birth and growth rate, 2001**

District / State	Sex Ratio			Sex ratio for 0-6 years	Density of population (persons per Km <sup>2</sup> )	Life expectancy at birth(yrs) <sup>1</sup> (1997)	Percentage decadal growth rate (1991-2001)
	Total	Rural	Urban				
Thiruvallur	971	995	952	954	776	67.4	23.06
Chennai	957	-	957	968	24963	74.2	13.07
Kancheepuram	975	986	965	961	668	69.3	19.15
Vellore	997	994	1003	937	572	65.6	14.90
Dharmapuri	938	936	953	878	297	61.8	17.61
Thiruvannamalai	995	993	1003	952	353	66.6	7.01
Villupuram	984	983	985	969	412	65.1	7.43
Salem	929	908	955	826	575	65.2	17.20
Namakkal	966	966	967	896	439	66.2	12.91
Erode	972	967	977	936	314	69.2	11.26
The Nilgiris	1014	1025	1007	990	299	69.2	7.31
Coimbatore	963	976	957	951	572	69.3	21.76
Dindigul	986	987	986	929	317	64.6	9.22
Karur	1010	1008	1013	923	323	68.1	9.54
Trichirapalli	1001	1003	999	949	536	67.5	10.10
Perambalur	1006	1004	1014	945	282	62.1*	9.45
Ariyalur	1006	1004	1020	950	358	N.A	9.29
Cuddalore	986	984	990	938	617	68.9	7.66
Nagapattinam	1014	1011	1025	960	616	66.4	8.07
Tiruvarur	1014	1011	1023	974	492	66.0	6.31
Thanjavur	1021	1020	1022	950	638	64.4	7.91
Pudukottai	1015	1017	1007	965	314	65.5	9.98
Sivagangai	1038	1047	1015	946	279	67.6	4.74
Madurai	978	979	977	927	698	62.1	7.41
Theni	978	968	987	893	381	62.3	4.25
Virudunagar	1012	1018	1005	962	409	66.6	11.90
Ramanathapuram	1036	1043	1015	964	284	65.2	6.12
Tuticorin	1050	1066	1029	953	340	68.3	7.99
Thirunelveli	1042	1055	1028	952	400	65.8	8.88
Kanniyakumari	1014	1011	1016	967	995	72.7	4.73
<b>Tamil Nadu</b>	<b>987</b>	<b>992</b>	<b>982</b>	<b>939</b>	<b>480</b>	<b>66.7</b>	<b>11.72</b>

Note: \* Figure related to composite districts of Perambalur and Ariyalur  
N.A- Not Applicable

1. Vital events project conducted by DANIDA Health project (1997)

Source: Census of India 2001, Director of census operations, Tamil Nadu

**Table 1.4 Percentage of urban population, scheduled caste and scheduled tribe, 2001**

District / State	Urban population (%)	Scheduled caste (%)	Scheduled tribe (%)	Scheduled caste and scheduled tribe (%)
Thiruvallur	54.45	21.81	1.37	23.18
Chennai	100.00	13.77	0.15	13.92
Kancheपुरam	53.34	25.09	0.92	26.01
Vellore	37.62	20.53	1.81	22.34
Dharmapuri	15.96	14.60	2.08	16.68
Thiruvannamalai	18.33	21.39	3.33	24.72
Villupuram	14.42	27.39	2.16	29.55
Salem	46.00	15.77	3.45	19.22
Namakkal	36.51	18.80	3.44	22.24
Erode	46.25	16.35	0.69	17.04
The Nilgiris	59.65	31.23	3.72	34.95
Coimbatore	66.02	14.76	0.68	15.44
Dindigul	35.01	19.56	0.34	19.90
Karur	33.27	20.33	0.15	20.48
Trichirapalli	47.10	16.52	0.78	17.30
Perambalur	16.05*	30.21*	0.67*	30.88*
Ariyalur	N.A	N.A	N.A	N.A
Cuddalore	33.01	27.76	0.52	28.28
Nagapattinam	22.18	29.64	0.23	29.87
Tiruvarur	20.29	32.35	0.23	32.58
Thanjavur	33.78	18.03	0.16	18.19
Pudukottai	17.02	17.09	0.05	17.14
Sivagangai	28.22	16.35	0.09	16.44
Madurai	56.01	12.54	0.23	12.77
Theni	54.10	19.36	0.15	19.51
Virudunagar	44.39	18.97	0.13	19.10
Ramanathapuram	25.46	18.21	0.09	18.30
Tuticorin	42.28	18.38	0.22	18.60
Thirunelveli	48.03	17.66	0.31	17.97
Kanniyakumari	65.27	4.04	0.32	4.36
<b>Tamil Nadu</b>	<b>44.04</b>	<b>19.00</b>	<b>1.04</b>	<b>20.04</b>

Note: \* Figure related to composite districts of Perambalur and Ariyalur

N.A- Not Applicable

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 1.5 Mean age at marriage and percent marrying below legal age at marriage, 2002-04**

District / State	Mean age at marriage (yrs)		Percent marrying below legal age at marriage	
	Boys	Girls	Boys	Girls
Thiruvallur	25.9	21.6	6.1	12.1
Chennai	29.8	21.0	0.4	5.4
Kanchepuram	26.6	20.8	7.8	13.4
Vellore	25.8	21.0	8.1	15.8
Dharmapuri	24.0	19.0	9.6	39.0
Thiruvannamalai	25.8	20.7	10.5	24.8
Villupuram	25.0	19.9	12.9	21.5
Salem	25.8	19.9	8.4	26.1
Namakkal	26.1	19.7	5.5	24.4
Erode	26.1	20.5	8.1	17.9
The Nilgiris	26.6	20.4	4.7	17.0
Coimbatore	26.7	21.7	0.7	15.2
Dindigul	29.9	20.9	16.1	15.9
Karur	26.1	20.5	8.1	17.9
Trichirapalli	25.9	21.3	10.2	10.5
Perambalur	25.8	20.4	7.3	19.2
Ariyalur	27.1	19.9	3.0	25.3
Cuddalore	26.0	20.0	11.8	17.1
Nagapattinam	27.9	20.3	8.8	12.7
Tiruvarur	27.0	20.9	6.1	9.2
Thanjavur	27.4	21.8	4.0	4.7
Pudukottai	27.1	21.5	5.9	10.3
Sivagangai	25.3	21.3	4.6	11.5
Madurai	26.3	20.9	6.4	12.5
Theni	26.7	20.4	8.4	18.7
Virudunagar	23.4	20.8	3.6	11.2
Ramanathapuram	25.3	20.4	8.5	11.4
Tuticorin	26.6	21.6	7.2	5.7
Thirunelveli	26.0	21.6	3.2	6.2
Kanniyakumari	27.9	24.5	1.7	1.8
<b>Tamil Nadu</b>	<b>26.4</b>	<b>20.7</b>	<b>7.0</b>	<b>15.5</b>

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 1.6 Birth rate, death rate, total fertility rate (TFR) and percent birth order 3 or more, 2004**

District/ State	BIRTH RATE <sup>1</sup>	DEATH RATE <sup>1</sup>	TFR <sup>1</sup>	% of Birth order 3+ <sup>@</sup>
Thiruvallur	17.9	6.2	1.8	17
Chennai	15.3	3.6	1.8	8.6
Kanchepuram	17.7	5.4	1.6	19.4
Vellore	17.9	7.3	2.2	27.6
Dharmapuri	19.6	6.8	2.4	26.9
Thiruvannamalai	18.6	7.3	1.8	31.4
Villupuram	19.5	7.4	2.2	25.8
Salem	17.3	7.2	2.1	24.8
Namakkal	15.4	7.1	2.1	14.7
Erode	15.3	7.0	1.6	13.6
The Nilgiris	15.2	5.2	1.5	14.5
Coimbatore	17.1	5.8	1.8	9.7
Dindigul	17.3	7.7	2.1	17.9
Karur	16.0	8.2	1.8	12.9
Trichirapalli	17.2	7.5	1.95	24.5
Perambalur	19.5*	8.5*	2.3*	21.5
Ariyalur	N.A	N.A	2.3	28.2
Cuddalore	18.4	6.7	2.1	24.7
Nagapattinam	17.3	6.9	2.2	29.4
Tiruvarur	17.3	6.5	2.0	28
Thanjavur	17.9	7.4	2.1	22.3
Pudukottai	19.1	6.3	1.7	24.2
Sivagangai	18.1	6.7	2.0	26.7
Madurai	18.4	7.1	1.9	21.2
Theni	17.4	7.4	2.0	20
Virudunagar	18.2	7.2	2.2	18.5
Ramanathapuram	18.7	6.1	1.9	29.3
Tuticorin	17.4	6.5	2.6	29.9
Thirunelveli	17.6	7.3	1.9	27.4
Kanniyakumari	15.8	5.6	2.1	14.2
<b>Tamil Nadu</b>	17.8	6.9	2.1	22.2

Notes: N.A - Figure not available

\* Figure related to composite districts Perambalur and Ariyalur

@ Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

Source: 1. Monthly Bulletin on Family Welfare, Directorate of Family welfare, Tamil Nadu, September, 2006.

**Table 1.7 Neo-natal mortality rate, post-neonatal mortality rate, infant mortality rate, under five mortality rate, maternal mortality ratio and still birth rate, 2004**

District / State	NMR	PNMR	IMR	Under 5 mortality rate	MMR <sup>1</sup>	STILL BIRTH RATE
Thiruvallur	N.A	N.A	30.8	38.0	1.1	11.8
Chennai	7.2	16.7	23.9	26.5	0.4	3.0
Kancheipuram	N.A	N.A	26.8	32.2	1.4	9.7
Vellore	21.7	6.6	28.3	34.2	1.6	17.4
Dharmapuri	35.5	12.0	47.5	54.6	1.8	17.7
Thiruvannamalai	39.6	14.1	53.7	65.4	1.5	14.6
Villupuram	N.A	N.A	40.5	47.5	1.5	15.7
Salem	N.A	N.A	39.3	45.5	1.4	17.5
Namakkal	N.A	N.A	40.9	43.3	0.9	11.9
Erode	33.3	12.1	45.4	48.4	1.3	12.1
The Nilgiris	19.1	2.5	21.6	26.9	0.5	13.4
Coimbatore	19.3	4.3	23.6	26.5	1.0	13.8
Dindigul	16.1	3.1	19.2	27.5	0.7	17.8
Karur	N.A	N.A	38.5	41.3	1.6	18.2
Trichirapalli	N.A	N.A	29.9	33.0	2.3	19.4
Perambalur	N.A	N.A	46.9	63.3	2.9	21.1
Ariyalur	N.A	N.A	48.2	55.8	N.A	N.A
Cuddalore	N.A	N.A	29.4	37.3	1.4	17.1
Nagapattinam	N.A	N.A	33.8	40.3	2.1	16.7
Tiruvarur	N.A	N.A	10.5	17.2	2.0	15.0
Thanjavur	N.A	N.A	48.8	58.0	0.8	16.1
Pudukottai	21.0	9.3	30.4	34.9	1.2	20.8
Sivagangai	16.0	7.8	23.8	32.3	1.3	12.0
Madurai	N.A	N.A	34.2	46.1	1.6	18.8
Theni	N.A	N.A	67.0	67.0	2.2	19.9
Virudunagar	14.0	8.0	21.9	26.8	1.2	14.3
Ramanathapuram	26.4	2.6	29.0	29.0	1.9	15.5
Tuticorin	31.6	4.5	36.1	49.4	1.2	16.0
Thirunelveli	N.A	N.A	42.1	42.9	1.6	17.8
Kanniyakumari	12.8	1.8	14.6	18.9	0.2	6.6
<b>Tamil Nadu</b>	N.A	N.A	N.A	N.A	0.9	15.5

Notes: N.A Not Available

Source: 1. Monthly Bulletin on Family Welfare, Directorate of Family welfare, Tamil Nadu, September, 2006

Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

# **Chapter II**

## **Social Indicators**

**Table 2.1 Literacy rate for male, female and total, 2001**

District / State	Literacy rate (in percent)		
	Total	Male	Female
Thiruvallur	76.9	85.4	68.4
Chennai	85.3	90.0	80.4
Kancheपुरam	76.9	84.7	68.8
Vellore	72.4	81.99	62.8
Dharmapuri	61.4	71.6	50.7
Thiruvannamalai	67.4	79.2	55.6
Villupuram	63.8	75.1	52.4
Salem	65.1	74.4	55.2
Namakkal	67.4	77.6	57.0
Erode	65.4	75.3	55.2
The Nilgiris	80.0	88.5	71.6
Coimbatore	76.79	84.6	69.1
Dindigul	69.4	79.8	58.9
Karur	68.1	79.6	56.8
Trichirapalli	77.9	86.6	69.3
Perambalur	66.1	77.9	54.4
Ariyalur	64.1	77.2	51.2
Cuddalore	71.1	81.6	60.3
Nagapattinam	76.3	84.9	67.96
Tiruvarur	76.6	85.4	67.9
Thanjavur	75.5	84.5	66.7
Pudukottai	71.1	82.55	59.97
Sivagangai	72.2	83.1	61.7
Madurai	77.8	86.2	69.4
Theni	71.2	81.9	61.2
Virudunagar	73.7	83.96	63.6
Ramanathapuram	72.96	83.0	63.4
Tuticorin	81.5	88.3	75.1
Thirunelveli	76.1	85.2	67.4
Kanniyakumari	87.6	90.4	84.8
<b>Tamil Nadu</b>	<b>73.5</b>	<b>82.4</b>	<b>64.4</b>

Source: Census of India 2001, Director of census operations, Tamil Nadu

**Table 2.2 Gross enrolment rate and dropout rate (in percentage), 1998-99**

District / State	Gross Enrolment rate				Drop out rate			
	Primary	Middle	Secondary	Higher. Secondary	Primary	Middle	Secondary	Higher Secondary
Thiruvallur	89.1	77.8	81.9	48.6	14.8	38.0	55.2	81.9
Chennai	129.7	98.2	85.3	47.6	13.7	39.7	55.2	69.6
Kanchepuram	89.9	84.5	58.5	37.2	14.8	42.7	55.2	81.9
Vellore	108.5	93.9	72.4	33.3	14.9	35.9	60.9	82.9
Dharmapuri	86.7	73.3	57.9	20.6	15.1	38.1	60.2	84.4
Thiruvannamalai	99.7	92.2	51.9	27.8	15.0	38.7	61.6	83.4
Villupuram	85.7	86.5	70.7	18.1	14.8	40.4	60.2	85.2
Salem	101.7	84.6	53.1	25.2	14.3	23.7	58.7	80.6
Namakkal	101.9	81.4	78.9	37.9	14.3	21.7	58.7	80.6
Erode	113.7	86.1	59.9	26.4	14.2	37.7	58.1	83.4
The Nilgiris	105.1	76.0	75.7	30.0	14.1	36.5	57.7	83.3
Coimbatore	114.4	94.1	49.3	29.2	14.1	36.0	57.4	80.1
Dindigul	105.2	97.5	55.9	25.1	14.5	35.1	61.9	86.3
Karur	106.9	72.7	76.6	33.8	14.4	32.1	57.2	80.1
Trichirapalli	108.3	84.0	73.1	27.9	14.4	32.1	57.2	80.1
Perambalur	103.5*	94.8*	50.96*	25.0*	14.4*	32.1*	57.1*	80.1*
Ariyalur	NA	NA	NA	NA	NA	NA	NA	NA
Cuddalore	103.3	91.7	55.7	21.2	15.1	40.4	46.5	86.4
Nagapattinam	111.2	84.8	54.5	28.5	14.4	32.2	57.4	83.4
Tiruvarur	110.9	95.0	54.2	30.3	15.0	32.2	57.4	83.4
Thanjavur	112.8	88.1	68.7	21.2	14.1	32.2	59.2	81.9
Pudukottai	102.5	86.7	46.9	20.4	14.7	37.4	57.6	82.8
Sivagangai	105.5	96.3	72.3	23.9	14.4	36.6	57.2	82.4
Madurai	114.5	100.4	84.9	27.1	14.3	35.3	57.0	78.6
Theni	112.3	91.2	73.9	36.0	14.3	35.3	57.0	78.6
Virudunagar	103.7	85.9	45.7	24.2	15.2	37.8	61.8	84.5
Ramanathapuram	101.6	96.5	69.5	20.4	14.7	35.1	59.5	82.4
Tuticorin	111.6	99.3	82.1	45.8	14.1	35.6	61.0	81.3
Thirunelveli	110.9	90.6	82.7	28.3	14.1	33.3	60.6	85.1
Kanniyakumari	111.7	93.5	76.2	47.0	13.5	30.1	57.6	72.9
<b>Tamil Nadu</b>	<b>105.2</b>	<b>89.2</b>	<b>66.5</b>	<b>30.3</b>	<b>14.5</b>	<b>35.2</b>	<b>58.0</b>	<b>81.5</b>

Notes: N.A: Figures not available

\* Figure related to composite districts Perambalur and Ariyalur

Source: Human Development report, Tamil Nadu, 2003

**Table 2.3 Number of engineering colleges 2003-2004**

<b>District / State</b>	<b>Government</b>	<b>Self Financing and Government aided</b>	<b>Affiliated Engineering Colleges</b>
Thiruvallur	--	--	28
Chennai	--	--	2
Kanchepuram	--	--	52
Vellore	1	--	9
Dharmapuri	1	--	4
Thiruvannamalai	--	--	6
Villupuram	--	--	6
Salem	1		2
Namakkal	--	--	10
Erode	--	--	8
The Nilgiris	--	--	1
Coimbatore	1	2	15
Dindigul	--	--	5
Karur	--	--	2
Trichirapalli	--	--	12
Perambalur	--	--	2*
Ariyalur	--	--	N.A
Cuddalore	--	--	3
Nagapattinam	--	--	2
Tiruvarur	--	--	2
Thanjavur	--	--	3
Pudukottai	--	--	6
Sivagangai	1	--	6
Madurai	--	1	4
Theni	--	--	2
Virudunagar	--	--	6
Ramanathapuram	--	--	2
Tuticorin	--	--	5
Thirunelveli	1	--	10
Kanniyakumari	--	--	7
<b>Tamil Nadu</b>	<b>6</b>	<b>3</b>	<b>222</b>

Note: \* Figure related to composite district of Perambalur and Ariyalur

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 2.4 Number of Polytechnics 2003-2004**

District / State	Government	Government aided	Self Financing	Affiliated Polytechnics
Thiruvallur	--	2	14	--
Chennai	8	2	1	2
Kancheperum	--	1	15	--
Vellore	1	1	8	--
Dharmapuri	1	--	7	--
Thiruvannamalai	--	--	8	--
Villupuram	--	--	5	--
Salem	--	1	7	--
Namakkal	--	1	8	--
Erode	--	2	7	--
The Nilgiris	1	1	--	--
Coimbatore	2	6	10	--
Dindigul	--	1	4	1
Karur	--	--	1	--
Trichirapalli	1	2	4	--
Perambalur	--	--	3*	--
Ariyalur	--	--	--	--
Cuddalore	--	1	6	1
Nagapattinam	1	2	2	--
Tiruvarur	--	--	--	--
Thanjavur	--	2	2	--
Pudukottai	1	--	3	--
Sivagangai	1	1	2	--
Madurai	2	1	5	--
Theni	--	--	1	--
Virudunagar	--	4	4	1
Ramanathapuram		1	1	--
Tuticorin	2	--	4	--
Thirunelveli	--	1	8	--
Kanniyakumari	1	1	6	--
<b>Tamil Nadu</b>	<b>22</b>	<b>34</b>	<b>146</b>	<b>5</b>

Note: \* Figure related to composite district of Perambalur and Ariyalur

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 2.5 Human development index and gender development index, 2003**

District / State	Human Development Index	Human Development Rank	Gender Development Index	Gender Development Rank
Thiruvallur	0.654	12	0.651	13
Chennai	0.757	1	0.766	1
Kancheperum	0.712	2	0.710	2
Vellore	0.658	11	0.655	11
Dharmapuri	0.584	29	0.582	29
Thiruvannamalai	0.612	26	0.608	26
Villupuram	0.587	28	0.582	28
Salem	0.626	24	0.625	24
Namakkal	0.636	20	0.631	20
Erode	0.658	10	0.656	10
The Nilgiris	0.685	6	0.686	6
Coimbatore	0.699	5	0.697	5
Dindigul	0.641	17	0.638	17
Karur	0.647	15	0.641	16
Trichirapalli	0.671	7	0.671	7
Perambalur	0.596*	27*	0.592*	27*
Ariyalur	NA	NA	NA	NA
Cuddalore	0.644	16	0.643	15
Nagapattinam	0.654	13	0.652	12
Tiruvarur	0.637	19	0.633	19
Thanjavur	0.630	21	0.629	21
Pudukottai	0.618	25	0.615	25
Sivagangai	0.640	18	0.635	18
Madurai	0.661	8	0.661	8
Theni	0.628	23	0.628	22
Virudunagar	0.651	14	0.649	14
Ramanathapuram	0.629	22	0.626	23
Tuticorin	0.703	4	0.703	4
Thirunelveli	0.658	9	0.656	9
Kanniyakumari	0.711	3	0.708	3
<b>Tamil Nadu</b>	0.657	--	0.654	--

Note: NA Not available

\* Figure related to composite districts of Perambalur and Ariyalur

Source: Human Development report, Tamil Nadu, 2003

**Table 2.6 Work participation rate and percentage of cultivators, agricultural workers, household industrial workers and other workers, 2001**

District	Work Participation Rate (%)	Non workers (%)	Percent of cultivators	Percent of agricultural	HH industrial workers (%)	Percent of other workers
Thiruvallur	19.77	62.4	8.5	24.6	4.9	62
Chennai	13.52	65.7	1.2	0.5	2.1	96.3
Kancheepuram	23.99	60.2	11.1	26.7	5.7	56.5
Vellore	27.38	59	17.6	27.4	11.4	43.7
Dharmapuri	40.50	50.5	38.5	31.8	2.4	27.3
Thiruvannamalai	39.59	51.3	32.4	39.8	5.1	22.6
Villupuram	40.03	51.2	30.6	47.3	2.4	19.7
Salem	35.22	51.8	20.7	26.7	9.2	43.4
Namakkal	48.19	43.6	21.2	31.5	6	41.3
Erode	44.32	44.4	20.3	33.5	5.3	40.8
The Nilgiris	35.39	54.9	3.8	13.9	0.6	81.7
Coimbatore	28.72	53.7	9.1	20.2	3.8	66.9
Dindigul	40.65	49.4	19.9	41.6	3.1	35.5
Karur	43.15	46.9	21.1	37.9	4.2	36.8
Tiruchirappalli	31.14	56	20.4	31.5	3.9	44.2
Perambalur	49.72	46.2	47.4	34.8	1.7	16
Ariyalur	41.49	50.3	32.2	46	5.7	16.1
Cuddalore	29.63	57.4	19.1	46.2	3.1	31.6
Nagapattinam	23.55	60.6	12.3	52.6	2	33.1
Thiruvarur	27.09	58	14.2	57.8	1.9	26.1
Thanjavur	24.89	59.5	16.2	45.8	4.2	33.8
Puthukkottai	35.49	53.5	36.5	33.7	2.6	27.3
Sivagangai	33.49	55.6	36.6	28	2.5	32.8
Madurai	27.61	57.8	11.9	30.4	3.7	54.1
Theni	37.34	52.4	10.1	53.4	2.4	34.1
Virudhunagar	41.33	49.6	9.7	22.4	5.6	62.2
Ramanathapuram	33.08	56.2	34.6	23.9	5	36.5
Tuticorin	30.67	56.8	10.9	24.7	6.9	57.4
Tirunelveli	39.08	53	10.7	27.8	22	39.4
Kanniyakumari	12.72	67.3	2.9	15.1	6.6	75.5

Note: HH – Household, % - Percentage

Source: Census of India 2001, Demographic Atlas of Tamil Nadu, Director of census operations, Tamil Nadu

**Table 2.7 Old age pension and total elderly beneficiaries, 1999-2000**

District / State	Old age pension(Normal)			Total elderly Beneficiaries		
	Male	Female	Total	Male	Female	Total
Thiruvallur	4895	10151	15046	6278	12226	18504
Chennai	12467	30763	43230	12550	32138	44688
Kancheepuram	8085	10533	18618	9955	12669	22624
Vellore	8960	14999	23959	12818	25647	38465
Dharmapuri	9093	9188	18281	12831	13501	26332
Thiruvannamalai	9118	13494	22612	12159	20427	32586
Villupuram	9662	6044	15706	12547	8067	20614
Salem	8684	15669	24353	10330	19663	29991
Namakkal	2817	8442	11259	3374	9567	12941
Erode	4124	6771	10895	5071	9555	14626
The Nilgiris	912	1116	2028	2975	1793	2975
Coimbatore	4633	8490	13123	5445	10500	15945
Dindigul	2215	7368	9583	2666	9063	11729
Karur	2937	2405	5342	4164	4138	8302
Trichirapalli	4899	7182	12081	7192	11292	18484
Perambalur	3157*	6516*	9673*	4475*	9208*	13683*
Ariyalur	NA	NA	NA	NA	NA	NA
Cuddalore	5638	7675	13313	7052	10390	17442
Nagapattinam	5056	2723	7779	6013	2985	8998
Tiruvarur	4326	4225	8551	5058	5375	10433
Thanjavur	9389	8876	18265	10361	10452	20813
Pudukottai	3843	6032	9875	4406	7144	11550
Sivagangai	2859	5796	8655	3464	6612	10076
Madurai	5162	17839	23001	5842	26115	31957
Theni	1766	3835	5601	1960	4928	6888
Virudunagar	3382	5833	9215	4147	7607	11754
Ramanathapuram	2715	4812	7527	3497	6483	9980
Tuticorin	2871	6320	9191	3330	8400	11730
Thirunelveli	4994	9406	14400	5950	10886	16836
Kanniyakumari	1729	2801	4530	2003	3914	5917
<b>Tamil Nadu</b>	<b>150388</b>	<b>245304</b>	<b>395692</b>	<b>186120</b>	<b>320745</b>	<b>506865</b>

Note: \* Figure related to composite district of Perambalur and Ariyalur

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

# **Chapter –III**

## **Economic Indicators**

**Table 3.1 Number of children (6-14 years) engaged in child labour, 2004**

District / State	Boys	Girls	Total
Thiruvallur	761	480	1241
Chennai	2724	2071	4795
Kancheipuram	1728	1497	3225
Vellore	1258	1086	2344
Dharmapuri	1400	797	2197
Thiruvannamalai	2584	2790	5374
Villupuram	78	31	109
Salem	1934	1524	3458
Namakkal	923	873	1796
Erode	487	487	974
The Nilgiris	3	3	6
Coimbatore	1034	1106	2140
Dindigul	1562	315	1877
Karur	17	15	32
Trichirapalli	1315	1008	2323
Perambalur	130*	145*	275*
Ariyalur	N.A	N.A	N.A
Cuddalore	51	36	87
Nagapattinam	844	747	1591
Tiruvarur	46	55	101
Thanjavur	101	47	148
Pudukottai	79	77	156
Sivagangai	0	0	0
Madurai	110	87	197
Theni	158	110	268
Virudunagar	2139	2469	4608
Ramanathapuram	115	20	135
Tuticorin	726	350	1076
Thirunelveli	850	1193	2043
Kanniyakumari	178	71	249
<b>Tamil Nadu</b>	<b>23335</b>	<b>19490</b>	<b>42825</b>

Notes: \* Figure related to composite district of Perambalur and Ariyalur  
Source: Department of Child labor (2005), Chennai

N.A - Not Available

**Table 3.2 Percentage of population below poverty line, 1993-94**

District / State	Percentage of population below poverty Line		
	Rural	Urban	Total
Thiruvallur <sup>1</sup>	N.A	N.A	N.A
Chennai	----	31.58	31.58
Kancheepuram	23.38	33.62	27
Vellore	29.63	53.84	36.55
Dharmapuri	26.61	27.73	26.7
Thiruvannamalai	41.41	49.68	42.15
Villupuram <sup>2</sup>	N.A	N.A	N.A
Salem	26.59	40.54	30.14
Namakkal <sup>3</sup>	N.A	N.A	N.A
Erode	17.86	21.81	18.32
The Nilgiris	17.64	27.75	21.24
Coimbatore	24.36	27.84	25.77
Dindigul	47.04	42.8	46.28
Karur <sup>4</sup>	N.A	N.A	N.A
Trichirapalli	20.79	27.47	21.59
Perambalur	N.A	N.A	N.A
Ariyalur	N.A	N.A	N.A
Cuddalore	51.3	48.58	50.91
Nagapattinam	15.55	36.71	20.21
Tiruvarur <sup>5</sup>	N.A	N.A	N.A
Thanjavur	18.4	52.22	30.73
Pudukottai	23.35	48.24	26.9
Sivagangai	20.97	43.03	26.63
Madurai	25.6	37.62	30.35
Theni <sup>6</sup>	N.A	N.A	N.A
Virudunagar	20.04	38.76	26.21
Ramanathapuram	16.7	60.71	25.86
Tuticorin	37.44	62.66	47.02
Thirunelveli	34.58	56.53	44.1
Kanniyakumari	48.55	48.82	48.59
<b>Tamil Nadu</b>	28.9	38.6	31.7

Note: N.A Not Available

1 figure related to composite districts Kancheepuam and Thiruvallur

2 figure related to composite districts Cudalore and Villupuram

3 Figure related to composite districts Salem and Namakkal

4 figure related to composite districts Trichy, Karur, Perambalur and Ariyalur

5 Figure related to composite districts Thanjavur and Tiruvarur

6 Figure related to composite districts Madurai and Theni

Source: Human Development report, Tamil Nadu, 2003.

**Table 3.3 Percent of households having electricity as source of lighting, drinking water within remises, not having latrine facility and percentage of population having access to radio, television and telephone, 2001**

District / State	Electricity as source of lighting	Drinking water within premises	Not having Latrine	Radio	Television	Telephone
Thiruvallur	87.23	38.31	48.50	49.90	58.58	11.07
Chennai	94.03	64.39	10.22	66.46	81.73	29.26
Kancheperam	85.68	36.89	53.84	53.60	56.40	13.41
Vellore	78.57	30.95	68.41	38.70	40.45	8.73
Dharmapuri	71.47	11.90	81.24	33.90	25.63	6.10
Thiruvannamalai	75.69	21.90	83.54	43.11	27.84	4.22
Villupuram	76.58	14.83	85.30	38.06	22.92	4.40
Salem	79.44	19.33	73.02	32.61	36.57	11.27
Namakkal	79.68	20.28	74.87	37.34	34.16	13.21
Erode	77.26	24.33	67.60	39.98	34.39	14.46
The Nilgiris	72.99	16.22	57.82	47.27	40.91	11.69
Coimbatore	84.44	38.19	52.68	42.71	48.88	15.43
Dindigul	69.09	19.31	75.75	34.35	31.64	7.28
Karur	74.54	26.64	75.86	39.43	35.09	10.31
Trichirapalli	77.22	30.93	63.21	47.43	39.55	13.19
Perambalur	78.40	11.25	88.12	42.19	19.67	4.24
Ariyalur	65.75	11.94	89.58	40.35	15.75	3.41
Cuddalore	76.76	28.16	73.91	43.12	31.55	8.76
Nagapattinam	64.91	23.08	74.41	47.59	28.21	9.71
Tiruvarur	64.83	21.15	74.30	47.06	26.74	8.61
Thanjavur	71.87	27.69	67.63	46.14	33.53	12.17
Pudukottai	71.79	11.08	74.23	48.46	33.90	8.63
Sivagangai	79.93	19.97	53.40	41.00	48.11	11.25
Madurai	74.38	30.99	72.99	25.31	36.77	8.02
Theni	80.31	28.29	77.40	41.56	39.59	8.54
Virudunagar	66.11	17.23	76.93	44.32	29.69	8.33
Ramanathapuram	81.60	9.87	65.08	50.61	39.11	11.25
Tuticorin	83.56	23.63	69.29	46.52	34.51	10.08
Thirunelveli	64.98	25.14	80.41	44.69	21.32	6.01
Kanniyakumari	77.25	21.72	34.85	38.35	36.57	12.28
<b>Tamil Nadu</b>	<b>78.18</b>	<b>27.06</b>	<b>64.84</b>	<b>43.6</b>	<b>39.5</b>	<b>11.2</b>

Source: Census of India 2001, Demographic Atlas of Tamil Nadu, Director of census operations, Tamil Nadu

**Table 3.4 Net area sown and net area irrigated, 2003-2004**

District / State	Net Area Irrigated (Hectare)	Net Area Sown (Hectare)
Thiruvallur	85681	90942
Chennai	N.A	N.A
Kanchepuram	109488	128410
Vellore	78420	180311
Dharmapuri	30682	145095
Thiruvannamalai	92404	218146
Villupuram	126360	287367
Salem	59391	191509
Namakkal	53126	161335
Erode	79935	242665
The Nilgiris	820	78274
Coimbatore	152963	318988
Dindigul	69409	237770
Karur	33819	88169
Trichirapalli	68830	149049
Perambalur	49011*	203105*
Ariyalur	N.A	N.A
Cuddalore	142736	212420
Nagapattinam	104594	131890
Tiruvarur	118275	123853
Thanjavur	126963	157160
Pudukottai	83037	135948
Sivagangai	73124	111566
Madurai	48631	106891
Theni	49985	108142
Virudunagar	54790	136695
Ramanathapuram	70678	190268
Tuticorin	37100	160992
Thirunelveli	85525	133189
Kanniyakumari	26851	78829
<b>Tamil Nadu</b>	<b>2147673</b>	<b>4689156</b>

Note: \* Figure related to composite district of Perambalur and Ariyalur  
N.A- Not available

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 3.5 District income estimates net state domestic product at current prices and constant (1993-94) prices, 2004 (Rs.in Lakhs)**

District / State	Current prices		At constant (1993-94) prices	
	2000-01	2001-02	2000-01	2001-02
Thiruvallur	607429	608730	385408	379145
Chennai	1430304	1469512	888440	881115
Kanchepuram	713272	713649	453647	447411
Vellore	595731	604206	383262	379325
Dharmapuri	388284	395780	247601	248386
Thiruvannamalai	278770	295471	178038	184144
Villupuram	347137	358952	220462	224389
Salem	575882	555868	373503	359941
Namakkal	335749	319559	219037	210923
Erode	583427	584548	381373	373206
The Nilgiris	143676	150995	89744	91883
Coimbatore	1164107	1174800	771140	765974
Dindigul	382055	373445	245382	233528
Karur	176316	168887	114283	107130
Trichirapalli	432330	426008	280205	271992
Perambalur	207770*	210697*	133457*	132302*
Ariyalur	N.A	N.A	N.A	N.A
Cuddalore	333977	351948	210169	211102
Nagapattinam	272196	265137	163586	155247
Tiruvarur	202508	188375	128922	116447
Thanjavur	352488	347665	225585	215779
Pudukottai	218861	227942	137719	138616
Sivagangai	175733	178858	111660	110104
Madurai	531107	532018	337910	329826
Theni	248844	262731	161608	167339
Virudunagar	498391	483461	325798	315427
Ramanathapuram	209824	211579	122282	119008
Tuticorin	362384	370601	231564	233746
Thirunelveli	517322	533730	335640	339939
Kanniyakumari	319975	314571	201569	194286
<b>Tamil Nadu</b>	<b>12605849</b>	<b>12679723</b>	<b>8058994</b>	<b>7937660</b>

Note: \* Figure related to composite district of Perambalur and Ariyalur  
N.A- Not available

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

# **Chapter –IV**

## **Health Indicators**

**Table 4.1 Prevalence of tuberculosis and malaria cases, 2002-04**

District / State	Prevalence <sup>1</sup> rate of Tuberculosis	Prevalence rate of Malaria <sup>2</sup>
Thiruvallur	45	66
Chennai	311	78
Kancheipuram	197	51
Vellore	186	54
Dharmapuri	278	0
Thiruvannamalai	407	70
Villupuram	170	155
Salem	198	120
Namakkal	159	150
Erode	221	0
The Nilgiris	22	0
Coimbatore	48	111
Dindigul	186	95
Karur	222	25
Trichirapalli	152	43
Perambalur	237	84
Ariyalur	384	43
Cuddalore	248	62
Nagapattinam	218	197
Tiruvarur	159	0
Thanjavur	111	70
Pudukottai	10	0
Sivagangai	101.	0
Madurai	141	58
Theni	318	56
Virudunagar	372	0
Ramanathapuram	46	99
Tuticorin	239	104
Thirunelveli	252	167
Kanniyakumari	190	65
<b>Tamil Nadu</b>	196	69

Source:

1. Prevalence rate per 100,000 Population, DLHS/RCH (02-04)

2. Last two weeks prior to DLHS/RCH (2002-04) survey

Reference period: - January 1<sup>st</sup>, 1999 to survey date for phase-1, and January 1<sup>st</sup>, 2001 to survey date for phase-2.

**Table 4.2 Population with disability (in seeing, in speech, in hearing, in movement and mental), 2001**

District / State	Percent of population with disabilities					
	In seeing	In speech	In hearing	Ortho peadically handicap- ped	Mental	Total
Thiruvallur	50.7	8.9	6.1	26.4	7.9	2.5
Chennai	53.3	7.0	4.5	22.6	12.5	2.2
Kancheipuram	49.4	9.0	6.9	26.6	8.0	2.5
Vellore	51.1	8.7	5.1	26.0	9.0	2.4
Dharmapuri	67.6	6.6	3.0	17.7	5.0	2.9
Thiruvannamalai	44.3	10.1	7.8	28.6	9.1	2.2
Villupuram	49.5	9.1	5.9	28.1	7.5	2.2
Salem	45.4	9.8	4.8	30.3	9.6	1.6
Namakkal	52.5	8.5	5.2	25.3	8.5	2.0
Erode	64.4	6.6	4.0	18.1	6.9	2.6
The Nilgiris	61.5	5.7	4.9	20.9	7.0	2.8
Coimbatore	67.1	6.1	3.4	15.7	7.6	2.7
Dindigul	69.4	6.0	3.0	15.1	6.5	3.3
Karur	39.3	11.5	6.9	32.3	10.1	1.6
Trichirapalli	63.5	8.3	4.0	18.1	6.2	3.2
Perambalur	59.9	9.7	4.2	20.2	5.9	2.6
Ariyalur	59.8	9.0	4.7	21.4	5.2	3.1
Cuddalore	61.3	6.9	5.1	20.5	6.2	2.8
Nagapattinam	66.4	6.0	3.5	17.0	7.0	3.4
Tiruvarur	64.3	7.2	4.1	18.4	6.1	3.2
Thanjavur	54.3	9.2	5.2	23.4	7.9	2.7
Pudukottai	61.6	8.2	4.5	19.1	6.6	2.8
Sivagangai	66.2	6.0	3.8	16.8	7.2	3.4
Madurai	62.8	6.3	3.4	18.7	8.8	2.7
Theni	63.6	7.1	2.9	18.8	7.6	2.8
Virudunagar	58.5	7.7	3.6	21.9	8.4	2.5
Ramanathapuram	59.3	8.3	3.5	20.2	8.7	3.0
Tuticorin	58.7	6.6	3.9	22.2	8.6	2.9
Thirunelveli	57.9	7.8	4.0	23.2	7.1	2.7
Kanniyakumari	63.5	5.5	2.7	21.4	6.9	3.6
<b>Tamil Nadu</b>	61.2	7.8	4.5	22.0	8.1	2.6

Source: Census of India 2001, Director of census operations, Tamil Nadu

**Table 4.3 Percent of women\*(15-44 years) who received three or more antenatal (ANC) checkup, at least one Tetanus Toxoid injection (TT), received adequate amount of Iron Folic Acid tablets (100+) and percentage received full antenatal care (ANC )**

District / State	Three or more ANC checkup	At least one TT injection	Adequate amount of IFA <sup>1</sup>	Full <sup>2</sup> ANC
Thiruvallur	94.3	88.4	20.5	17.6
Chennai	97.4	99.6	30.4	30.4
Kancheपुरam	99.3	96.4	25.8	24.7
Vellore	96.5	92.1	18.6	15.6
Dharmapuri	95.8	99.3	34.1	33.4
Thiruvannamalai	95.8	96.9	26.3	25.8
Villupuram	89.6	93.3	13.2	12.6
Salem	96.9	97.7	27.1	25.3
Namakkal	97.7	97.0	35.7	34.9
Erode	99.7	100.0	26.5	26.3
The Nilgiris	97.5	99.6	22.4	21.4
Coimbatore	100.0	99.4	18.1	18.1
Dindigul	92.1	97.4	4.0	4.0
Karur	95.5	99.4	44.8	41.6
Trichirapalli	95.4	97.5	22.4	20.3
Perambalur	91.4	97.9	24.1	21.2
Ariyalur	92.9	94.7	15.9	14.9
Cuddalore	95.3	99.3	14.1	13.5
Nagapattinam	94.3	97.9	24.7	23.9
Tiruvarur	95.4	93.9	26.3	24.9
Thanjavur	98.1	98.0	33.6	31.8
Pudukottai	98.3	99.2	8.2	8.2
Sivagangai	95.7	99.6	29.9	29.9
Madurai	90.6	98.3	28.6	26.0
Theni	97.5	99.7	38.3	37.5
Virudunagar	95.0	97.7	12.9	12.9
Ramanathapuram	97.2	99.7	17.6	17.6
Tuticorin	96.8	99.1	39.9	39.0
Thirunelveli	94.6	98.6	38.3	34.8
Kanniyakumari	98.0	98.6	47.6	46.9
<b>Tamil Nadu</b>	<b>96.1</b>	<b>97.4</b>	<b>24.7</b>	<b>23.5</b>

\* Women who had their last live/still birth since 1-1-1999/1-1-2001

<sup>1</sup>. 100 or more iron folic acid tablets including syrup

<sup>2</sup>. At least three visits for antenatal check-ups, at least one TT injection received and adequate amount IFA.

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.4 Percentage of women (15-44 years) who had institutional delivery, who delivered at home, home delivery assisted by skilled persons and who had safe delivery, 2002-04**

District / State	Institutional delivery	Delivery at home	Home delivery assisted by skilled <sup>1</sup> persons	Safe <sup>2</sup> delivery
Thiruvallur	89.0	7.8	(22.7)	90.8
Chennai	98.4	0.9	(0.0)	98.4
Kancheperum	83.7	15.5	23.5	87.4
Vellore	70.1	29.9	23.2	77.1
Dharmapuri	75.1	24.9	18.9	79.8
Thiruvannamalai	63.7	35.8	14.1	68.8
Villupuram	74.2	25.2	31.6	82.2
Salem	82.3	16.9	17.4	85.3
Namakkal	92.5	5.4	(65.5)	96.0
Erode	91.5	8.5	(44.6)	95.3
The Nilgiris	86.8	12.8	42.5	92.2
Coimbatore	96.6	3.4	(9.7)	96.9
Dindigul	87.2	12.8	32.3	91.3
Karur	87.5	12.5	21.0	90.1
Trichirapalli	88.7	11.0	29.7	92.0
Perambalur	85.6	14.0	22.6	88.7
Ariyalur	82.3	13.6	19.0	84.9
Cuddalore	81.5	17.7	11.2	83.5
Nagapattinam	91.0	9.0	22.9	93.1
Tiruvarur	88.8	10.9	40.8	93.3
Thanjavur	95.3	4.7	(22.1)	96.3
Pudukottai	88.8	10.6	4.2	89.3
Sivagangai	93.6	6.4	(28.8)	95.5
Madurai	89.2	10.3	(9.1)	90.2
Theni	90.3	9.7	(47.3)	94.9
Virudunagar	89.3	10.7	17.6	91.2
Ramanathapuram	94.5	5.5	(45.2)	97.0
Tuticorin	93.3	6.7	(41.3)	96.1
Thirunelveli	92.9	7.1	(35.5)	95.4
Kanniyakumari	94.9	5.1	(40.0)	96.9
<b>Tamil Nadu</b>	<b>86.1</b>	<b>13.4</b>	<b>23.2</b>	<b>89.2</b>

1 Includes Doctor/ANM/Nurse

2 Either Institutional delivery or home delivery assisted by skilled person.

( ) Based on less than 25 numbers

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.5 Percentage of women<sup>1</sup> (15-44 years) who had complication during pregnancy and post delivery and sought treatment for complication, 2002-04**

District / State	Pregnancy complication		Post delivery complication	
	Experienced	Sought <sup>2</sup> treatment	Experienced	Sought <sup>3</sup> treatment
Thiruvallur	34.1	53.0	15.2	46.1
Chennai	36.9	76.7	20.2	62.1
Kancheperum	27.5	70.9	18.6	60.5
Vellore	21.7	58.0	16.8	55.0
Dharmapuri	18.1	63.3	11.6	60.4
Thiruvannamalai	34.0	69.5	20.3	71.8
Villupuram	18.7	66.3	13.9	52.9
Salem	27.0	66.3	18.7	67.9
Namakkal	39.5	59.4	13.7	81.0
Erode	17.0	63.7	3.7	(78.9)
The Nilgiris	14.1	79.0	6.0	(70.2)
Coimbatore	18.4	64.8	9.5	(55.9)
Dindigul	23.3	58.2	13.2	53.8
Karur	26.7	80.5	19.9	76.8
Trichirapalli	15.6	80.3	12.8	65.8
Perambalur	36.2	45.4	27.2	65.8
Ariyalur	26.5	55.1	14.1	61.6
Cuddalore	30.2	41.1	23.2	67.3
Nagapattinam	26.7	56.0	24.8	61.4
Tiruvarur	32.6	57.6	18.9	50.1
Thanjavur	24.6	73.7	14.1	56.4
Pudukottai	13.7	45.1	8.3	(59.2)
Sivagangai	29.3	62.2	10.0	72.8
Madurai	42.5	60.8	25.6	60.9
Theni	53.7	64.3	22.0	73.2
Virudunagar	24.2	83.3	21.2	59.8
Ramanathapuram	18.8	19.9	21.2	30.6
Tuticorin	24.2	71.3	10.7	73.5
Thirunelveli	27.2	88.0	28.5	75.9
Kanniyakumari	25.5	72.3	14.2	75.4
<b>Tamil Nadu</b>	26.3	64.4	16.6	61.9

1. Women who had last live/still birth during three years preceding the survey. 2. Women who reported at least on complication of pregnancy. 3. Women who reported at least one post delivery complication. ( ) Based on less than 25 cases.

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.6 Percentage of women (15-44 years) started breast feeding within two hours, who squeezed out the first breast milk and exclusively breast feeding**

District / State	% started breast feeding within two hours of birth	% of women who squeezed out the first breast milk	% exclusively breastfeed <sup>1</sup>
Thiruvallur	74.2	38.9	2.4
Chennai	71.3	28.4	6.4
Kancheपुरam	77.4	39.8	3.3
Vellore	87.4	17.6	4.6
Dharmapuri	72.8	37.3	13.5
Thiruvannamalai	76.7	36.4	16.0
Villupuram	65.8	49.4	4.1
Salem	79.2	23.2	2.8
Namakkal	72.1	33.5	4.0
Erode	74.3	27.4	7.5
The Nilgiris	87.1	29.8	8.0
Coimbatore	74.6	33.1	11.1
Dindigul	82.9	26.8	9.6
Karur	75.3	36.2	6.6
Trichirapalli	80.8	46.2	8.6
Perambalur	87.7	45.7	7.1
Ariyalur	70.8	46.9	10.9
Cuddalore	90.4	46.4	5.7
Nagapattinam	86.1	60.8	14.4
Tiruvarur	80.7	50.1	4.6
Thanjavur	73.2	31.2	5.9
Pudukottai	91.1	31.4	20.9
Sivagangai	79.4	18.1	8.9
Madurai	81.9	44.7	8.6
Theni	78.1	41.2	7.3
Virudunagar	88.0	21.9	10.1
Ramanathapuram	87.2	37.8	22.6
Tuticorin	72.0	6.0	13.0
Thirunelveli	69.9	45.5	7.5
Kanniyakumari	64.9	14.5	13.2
<b>Tamil Nadu</b>	<b>77.7</b>	<b>34.7</b>	<b>8.5</b>

Note: Table based on youngest living child born during the three years preceding the survey

<sup>1</sup> Based on youngest children age 6 months and older at the time of survey and breastfed exclusively 6 months or more as mother reported

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.7 Percentage of women whose child had suffered from diarrhoea and pneumonia, 2002-04.**

District / State	Percentage of women whose child suffered <sup>1</sup> from diarrhoea	Percentage of women whose child suffered <sup>1</sup> from pneumonia
Thiruvallur	1.3	10.7
Chennai	6.8	1.3
Kancheपुरam	4.2	3.7
Vellore	6.2	2.6
Dharmapuri	9.6	5.1
Thiruvannamalai	10.3	2.8
Villupuram	7.1	9.0
Salem	22.2	8.1
Namakkal	19.6	4.7
Erode	7.3	6.4
The Nilgiris	6.1	0.5
Coimbatore	5.2	1.5
Dindigul	7.6	2.5
Karur	8.5	5.0
Trichirapalli	10.9	5.7
Perambalur	20.5	12.9
Ariyalur	8.3	6.2
Cuddalore	6.1	10.2
Nagapattinam	18.6	6.1
Tiruvarur	12.7	5.9
Thanjavur	10.9	5.6
Pudukottai	3.3	0.9
Sivagangai	5.9	7.1
Madurai	9.2	17.2
Theni	6.5	5.2
Virudunagar	6.9	3.2
Ramanathapuram	1.9	0.8
Tuticorin	8.4	2.7
Thirunelveli	5.1	10.0
Kanniyakumari	7.5	7.1
<b>Tamil Nadu</b>	<b>8.5</b>	<b>5.6</b>

Note: Table based on women with last and last but one living children born since 01.01.1999/01.01.2001.

<sup>1</sup> Last two weeks prior to survey.

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.8 Number of AIDS cases, 2003-2004**

<b>District / State</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
Thiruvallur	964	397	1361
Chennai	7581	2737	10318
Kancheipuram	695	236	931
Vellore	1616	716	2332
Dharmapuri	1035	397	1432
Thiruvannamalai	913	361	1274
Villupuram	1433	618	2051
Salem	1715	677	2392
Namakkal	1801	650	2451
Erode	1249	437	1686
The Nilgiris	22	12	34
Coimbatore	553	178	731
Dindigul	1497	671	2168
Karur	561	251	812
Trichirapalli	1561	580	2141
Perambalur	691*	338*	1029*
Ariyalur	N.A	N.A	N.A
Cuddalore	1277	540	1817
Nagapattinam	151	55	206
Tiruvarur	148	50	198
Thanjavur	681	364	1045
Pudukottai	304	142	446
Sivagangai	172	65	237
Madurai	1522	689	2211
Theni	332	99	431
Virudunagar	145	40	185
Ramanathapuram	80	41	121
Tuticorin	294	103	397
Thirunelveli	345	105	450
Kanniyakumari	48	13	61
<b>Tamil Nadu</b>	<b>5499</b>	<b>2306</b>	<b>7805</b>

Note: N.A – Not available

\* Figure related to composite district of Perambalur and Ariyalur

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 4.9 HIV Sero-positive (%) in ANC attendees**

District Name	District HQ	FRU	Private	15-24	Overall (exclusive of 15-24)
Thiruvallur	0.50	0.50			0.50
Chennai	0.50		0	0.5	0.25
Kancheipuram	0.00	0.00			0.00
Vellore	0.25	1.50			0.88
Dharmapuri	1.75	0.75		0.75	1.25
Thiruvannamalai	0.50	0.50			0.50
Villupuram	1.25	0.50			0.88
Salem	0.75	0.50			0.63
Namakkal	3.50	0.00			1.75
Erode	1.00	0.25			0.63
The Nilgiris	1.00	0.50			0.75
Coimbatore	0.75	0.00	0.25	1.00	0.33
Dindigul	0.50	0.75			0.63
Karur	2.00	0.25			1.13
Trichirapalli	1.50	0.50	0.25	1.25	0.75
Perambalur	1.50	0.00			0.75
Ariyalur	N.A	N.A	N.A	N.A	N.A
Cuddalore	0.25	1.00			0.63
Nagapattinam	0.00	0.00	0.00		0.00
Tiruvarur	0.00	0.50			0.25
Thanjavur	0.00	0.00			0.00
Pudukottai	0.75	0.50			0.63
Sivagangai	0.00	0.00			0.00
Madurai	1.50	1.00			1.25
Theni	0.50	0.75			0.63
Virudunagar	1.00	0.00			0.50
Ramanathapuram	0.25	1.00			0.63
Tuticorin	0.00	0.25			0.13
Thirunelveli	0.75	0.25		0.25	0.50
Kanniyakumari	0.00	0.00	0.00		0.00

Source: The Tamil Nadu HIV Sentinel Surveillance Report - 2005

Tamil Nadu State AIDS Control Society (TANSACS), Government of Tamil Nadu, INDIA.

**Table 4.10 HIV Positive percentage at PPTCT Centres - 2004**

<b>District Name</b>	<b>Total Tested</b>	<b>Found Positive</b>	<b>% of Positive</b>
Thiruvallur	8072	20	0.25
Chennai	68938	177	0.26
Kancheipuram	12515	15	0.12
Vellore	13406	98	0.73
Dharmapuri	3032	20	0.66
Thiruvannamalai	3957	16	0.40
Villupuram	3813	10	0.26
Salem	9166	45	0.49
Namakkal	4901	101	2.06
Erode	3372	54	1.60
The Nilgiris	2029	8	0.39
Coimbatore	15270	77	0.50
Dindigul	15472	80	0.52
Karur	2271	16	0.70
Trichirapalli	10532	89	0.85
Perambalur	4599	39	0.85
Ariyalur	N.A	N.A	N.A
Cuddalore	7100	31	0.44
Nagapattinam	4117	6	0.15
Tiruvarur	2870	4	0.14
Thanjavur	16069	61	0.38
Pudukottai	4386	18	0.41
Sivagangai	2249	7	0.31
Madurai	19088	135	0.71
Theni	2943	44	1.50
Virudunagar	3027	8	0.26
Ramanathapuram	3728	9	0.24
Tuticorin	9244	31	0.34
Thirunelveli	10371	29	0.28
Kanniyakumari	2677	16	0.60
<b>Tamil Nadu</b>	<b>269214</b>	<b>1264</b>	<b>0.47</b>

Source: Training Module on Continuum of Care for Health Care Providers, 2005  
Tamil Nadu State AIDS Control Society (TANSACS), Chennai.

**Table 4.11 HIV infection prevalence(%) in STD for years 2002 to 2005**

<b>District</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>
Chennai	8.8	7.2	8	4.8
Kanchepuram	2.4	5.2	6	3.6
Vellore	1.0	6	4	9.2
Salem	14.8	11.6	8.4	5.6
Coimbatore	14.6	9.2	8.4	17.1
Karur	18.8	8.4	13.2	23.6
Trichirapalli	15.2	21.6	20.4	5.2
Thanjavur	11.2	14.4	14.8	12.4
Madurai	24.8	20.8	30.4	30
Ramanathapuram	4.3	5.2	6	3.6
Thirunelveli	22.8	34	14	17.2

Source: The Tamil Nadu HIV Sentinel Surveillance Report - 2005  
Tamil Nadu State AIDS Control Society (TANSACS), Government of Tamil Nadu, INDIA.

**Table 4.12 Percentage of children availed full vaccination and who received vaccination for measles**

District / State	% of children who received vaccination for measles	% of children availed full <sup>1</sup> vaccination
Thiruvallur	97.6	94.3
Chennai	96.2	96.2
Kanchepuram	96.0	90.5
Vellore	98.7	92.4
Dharmapuri	97.0	97.0
Thiruvannamalai	85.7	83.7
Villupuram	88.2	87.0
Salem	97.5	88.1
Namakkal	98.5	95.6
Erode	97.6	97.6
The Nilgiris	92.0	92.0
Coimbatore	94.8	93.9
Dindigul	100.0	95.6
Karur	92.9	88.2
Trichirapalli	91.3	86.6
Perambalur	93.5	92.6
Ariyalur	98.7	97.2
Cuddalore	92.5	87.1
Nagapattinam	90.0	89.0
Tiruvarur	91.4	88.1
Thanjavur	90.3	87.1
Pudukottai	98.1	96.5
Sivagangai	91.7	91.7
Madurai	93.9	85.4
Theni	97.7	95.0
Virudunagar	95.4	94.7
Ramanathapuram	96.3	88.6
Tuticorin	98.8	98.8
Thirunelveli	95.9	82.5
Kanniyakumari	91.3	9.3
<b>Tamil Nadu</b>	<b>94.9</b>	<b>91.4</b>

Note: Table includes only last and last but one child born since 1.1.1999/1.1.2001  
<sup>1</sup> BCG, three injection of DPT, three doses of Polio (excluding 0 polio) and measles  
Source: Reproductive Child Health, District Level Household Survey, 2002-04,  
Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.13 Nutritional status of children in the age group 0-36 months**

District / State	Nutritional status				
	Weighed	Normal %	Grade I %	Grade II %	Grade III & IV %
Thiruvallur	85898	51.9	42.4	5.5	0.2
Chennai	68019	54.6	39.2	6.1	0.1
Kancheपुरam	87190	50.3	41.0	8.5	0.3
Vellore	24003	54.3	39.0	6.5	0.1
Dharmapuri	17029	47.1	45.6	7.2	0.1
Thiruvannamalai	5096	54.6	29.4	14.6	1.4
Villupuram	9405	52.7	41.0	6.3	0.0
Salem	23596	59.9	37.7	2.3	0.0
Namakkal	1986	45.2	46.3	8.3	0.2
Erode	4270	61.1	32.7	6.0	0.2
The Nilgiris	13011	57.5	36.4	6.0	0.0
Coimbatore	35266	68.3	30.2	1.4	0.0
Dindigul	18642	51.6	40.5	7.6	0.2
Karur	N.A	N.A	N.A	N.A	N.A
Trichirapalli	11875	59.1	32.3	8.4	0.2
Perambalur	N.A	N.A	N.A	N.A	N.A
Ariyalur	N.A	N.A	N.A	N.A	N.A
Cuddalore	27304	55.2	38.6	6.1	0.1
Nagapattinam	8794	48.7	38.1	12.9	0.3
Tiruvarur	7157	42.7	37.5	19.3	0.5
Thanjavur	11866	56.8	33.8	9.2	0.3
Pudukottai	75224	55.1	38.1	6.7	0.2
Sivagangai	2581	52.9	42.2	4.7	0.2
Madurai	25551	47.7	43.8	8.4	0.2
Theni	6164	57.2	38.4	4.4	0.0
Virudunagar	20639	51.5	41.0	7.4	0.1
Ramanathapuram	8575	58.8	39.3	1.8	0.1
Tuticorin	10899	54.3	38.2	7.3	0.2
Thirunelveli	6078	53.7	28.9	17.0	0.3
Kanniyakumari	5222	65.5	33.2	1.2	0.1
<b>Tamil Nadu</b>	<b>216054</b>	<b>53.7</b>	<b>38.6</b>	<b>7.6</b>	<b>0.2</b>

Note: N.A- Not Available

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 4.14 Percentage of adolescent girls (15-19 years) with anemia, 2002-04**

District / State	% of adolescent girls with anemia
Thiruvallur	N.A
Chennai	96.5
Kanchepuram	N.A
Vellore	98.6
Dharmapuri	89.1
Thiruvannamalai	95.5
Villupuram	N.A
Salem	N.A
Namakkal	N.A
Erode	92.1
The Nilgiris	83.7
Coimbatore	93.0
Dindigul	95.3
Karur	N.A
Trichirapalli	N.A
Perambalur	N.A
Ariyalur	N.A
Cuddalore	N.A
Nagapattinam	N.A
Tiruvarur	N.A
Thanjavur	N.A
Pudukottai	81.0
Sivagangai	95.7
Madurai	N.A
Theni	N.A
Virudunagar	92.0
Ramanathapuram	96.4
Tuticorin	88.0
Thirunelveli	N.A
Kanniyakumari	97.0
<b>Tamil Nadu</b>	N.A

Note: N.A- Not Available for the districts covered in Phase II, Round I of DLHS-RCH, 2002-04

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.15 Total beds, population per bed ratio, total number of doctors and population per doctor, 2004**

District / State	Total Beds	Population per bed ratio	Total No. of Doctors	Population per Doctors
Thiruvallur	422	6490	71	38576
Kancheipuram	843	3404	87	32988
Vellore	972	3583	100	34830
Dharmapuri	549	2343	50	25731
Thiruvannamalai	725	3009	71	30730
Villupuram	792	3717	105	28037
Salem	531	5636	69	43373
Namakkal	659	2270	70	21367
Erode	1145	2248	113	22779
The Nilgiris	809	945	71	10772
Coimbatore	1198	3526	152	27790
Dindigul	892	2151	116	16543
Karur	419	2229	47	19868
Trichirapalli	437	5466	74	32282
Perambalur	368*	5095*	57*	32896*
Ariyalur	N.A	N.A	N.A	N.A
Cuddalore	1026	2223	103	22141
Nagapattinam	970	1533	51	29158
Tiruvarur	635	1835	65	17926
Thanjavur	831	2654	94	23461
Pudukottai	1064	1365	96	15128
Sivagangai	706	1630	90	12786
Madurai	436	5877	60	42705
Theni	594	1843	78	14035
Virudunagar	1030	1701	88	19904
Ramanathapuram	938	1262	93	12724
Tuticorin	533	2938	52	30110
Thirunelveli	802	3493	95	29486
Kanniyakumari	387	4315	51	32740
<b>Tamil Nadu</b>	<b>9952</b>	<b>32669</b>	<b>1016</b>	<b>302304</b>

Note: \* Figure related to Composite district of Perambalur and Ariyalur

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 4.16 Percentage of currently married women (15-44 years) and their husbands (15-49 years) aware of RTI/STI and HIV/AIDS, 2002-04**

District / State	Women aware of RTI/ STI	Husbands aware of RTI/STI	Women aware of HIV/AIDS	Husbands aware of HIV/AIDS
Thiruvallur	47.8	80.1	94.6	95.8
Chennai	57.3	87.1	98.3	97.5
Kancheperam	24.8	70.2	92.6	94.9
Vellore	74.2	83.2	97.8	99.6
Dharmapuri	71.6	74.6	97.0	97.3
Thiruvannamalai	54.3	69.4	87.7	92.6
Villupuram	37.5	81.7	87.5	97.9
Salem	28.2	66.0	98.3	98.0
Namakkal	34.5	67.2	97.6	99.6
Erode	59.5	84.9	95.4	96.0
The Nilgiris	54.6	82.8	94.9	96.9
Coimbatore	51.7	72.8	92.6	96.0
Dindigul	79.9	86.3	97.8	99.4
Karur	44.3	70.6	97.7	98.3
Trichirapalli	52.6	74.0	94.2	98.5
Perambalur	48.2	71.6	91.9	99.2
Ariyalur	45.0	82.5	90.9	96.5
Cuddalore	41.2	69.9	86.6	99.0
Nagapattinam	45.6	70.8	92.6	98.9
Tiruvarur	26.1	58.2	87.5	98.8
Thanjavur	23.2	72.9	97.9	98.3
Pudukottai	37.7	57.3	86.8	95.7
Sivagangai	66.9	90.9	97.7	98.4
Madurai	73.8	51.3	97.3	99.1
Theni	42.9	74.2	97.9	98.0
Virudunagar	73.8	89.2	95.4	99.6
Ramanathapuram	41.4	56.6	91.1	98.2
Tuticorin	75.2	80.6	97.6	100.0
Thirunelveli	46.2	70.8	90.5	99.4
Kanniyakumari	83.3	84.9	98.8	99.9
<b>Tamil Nadu</b>	51.8	75.4	94.1	97.5

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.17 Percentage of women (15-44 years) and men (15-49 years) experienced\* any symptom of RTI/STI, 2002-04**

District / State	Women experienced any symptoms of RTI/STI	Men experienced any symptoms of RTI/STI
Thiruvallur	20.2	2.1
Chennai	10.0	0.5
Kancheपुरam	15.3	2.1
Vellore	23.9	0.2
Dharmapuri	23.1	2.0
Thiruvannamalai	24.1	8.6
Villupuram	24.5	6.6
Salem	10.3	5.7
Namakkal	9.0	1.2
Erode	9.5	0.0
The Nilgiris	8.0	0.4
Coimbatore	6.0	0.0
Dindigul	21.4	0.3
Karur	11.6	4.4
Trichirapalli	17.4	6.6
Perambalur	17.1	3.7
Ariyalur	20.4	5.4
Cuddalore	21.4	1.5
Nagapattinam	19.2	3.4
Tiruvarur	21.5	1.2
Thanjavur	15.2	3.8
Pudukottai	2.9	0.1
Sivagangai	14.0	0.0
Madurai	21.9	9.0
Theni	12.2	2.3
Virudunagar	20.3	0.0
Ramanathapuram	2.3	0.3
Tuticorin	39.4	1.1
Thirunelveli	23.6	7.3
Kanniyakumari	25.4	0.7
<b>Tamil Nadu</b>	<b>17.1</b>	<b>2.8</b>

Note:\* Women/men experienced any symptom of RTI/STI during the past 3 months prior to the survey

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 4.18 Number of nutrition centres and beneficiaries of ICDS, 2004**

District / State	World Bank ICDS III project			General ICDS		
	No. of CNCs	No. of children covered (0-36 months)	No. of Antenatal & postnatal women	No. of AWC centre	No. of children covered (0-36 months)	No. of Antenatal & Postnatal women
Thiruvallur	N.A	N.A	N.A	1759	89111	19030
Chennai	N.A	N.A	N.A	1145	69957	10739
Kancheपुरam	N.A	N.A	N.A	1920	92533	19945
Vellore	1155	114347	23776	1390	24342	4811
Dharmapuri	1090	74766	17194	937	18458	3521
Thiruvannamalai	880	91332	21421	474	6200	608
Villupuram	1644	145405	23216	1036	9490	2111
Salem	1261	109427	21716	925	23650	5336
Namakkal	738	54463	11679	481	2005	618
Erode	1274	85900	17687	1080	4532	1044
The Nilgiris	N.A	N.A	N.A	397	13539	3022
Coimbatore	810	55338	11840	891	35495	5694
Dindigul	916	63335	13412	922	19194	5213
Karur	402	31172	6378	212	N.A	N.A
Trichirapalli	776	70171	11763	586	12405	2898
Perambalur	535*	49465*	9701*	386*	N.A	N.A
Ariyalur	N.A	N.A	N.A	N.A	N.A	N.A
Cuddalore	878	72250	15571	734	27407	5826
Nagapattinam	460	43552	7568	402	8909	950
Tiruvarur	459	30086	6377	394	7249	1825
Thanjavur	873	63640	12657	621	12299	3107
Pudukottai	N.A	N.A	N.A	1459	77341	10084
Sivagangai	569	38383	9702	335	2635	832
Madurai	1036	78827	16608	715	26522	6586
Theni	497	44342	10006	469	6191	1405
Virudunagar	421	44869	13560	780	20803	6627
Ramanathapuram	458	37489	7870	458	8721	1681
Tuticorin	598	33573	6997	406	11651	2738
Thirunelveli	1190	86273	13155	1117	6337	1856
Kanniyakumari	580	40003	3989	348	5256	822
<b>Tamil Nadu</b>	<b>19500</b>	<b>1558408</b>	<b>313843</b>	<b>22779</b>	<b>642232</b>	<b>128929</b>

Notes: \* Figure relates to composite districts of Perambalur and Ariyalur

CNC – Community Nutrition Centre, AWC - Anganwadi Centre, N.A - Not Available

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 4.19 Number of institutions functioning under family welfare programme in Tamil Nadu, 2005**

District / State	No. of HSCs	No. of PHCs	No. of PPCs	No. of RFWCs	No. of UFWCs	No. of UHPs	No. of Approved Nursing Homes	No. of Unapproved Nursing Homes
Thiruvallur	292	41	1	14	5	19	30	17
Chennai	-	-	8	-	36	61	159	142
Kancheipuram	353	48	4	13	1	12	65	13
Vellore	454	67	5	19	5	3	32	8
Dharmapuri	456	70	6	16	2	-	37	6
Thiruvannamalai	410	80	5	19	2	2	13	0
Villupuram	557	80	6	21	1	-	10	6
Salem	398	70	4	20	1	7	88	10
Namakkal	240	47	3	15	3	-	46	6
Erode	411	66	5	23	4	2	135	7
The Nilgiris	194	28	3	6	1	-	18	10
Coimbatore	463	68	7	21	4	26	165	29
Dindigul	315	49	4	15	2	5	29	21
Karur	168	29	1	7	1	-	25	3
Trichirapalli	307	49	3	14	5	5	77	9
Perambalur	215*	48*	3*	10*	-	-	8*	8*
Ariyalur	NA	NA	NA	NA	NA	NA	NA	NA
Cuddalore	319	50	3	13	4	5	37	9
Nagapattinam	258	43	3	10	1	2	16	10
Tiruvarur	195	39	3	10	1	-	13	9
Thanjavur	310	58	4	14	4	8	44	14
Pudukottai	241	52	3	10	1	2	20	14
Sivagangai	275	44	3	10	4	-	32	0
Madurai	311	42	4	13	1	17	85	63
Theni	162	27	3	7	2	-	15	11
Virudunagar	259	36	5	11	2	3	82	2
Ramanathapuram	246	46	3	11	2	-	26	7
Tuticorin	249	47	3	12	4	3	51	9
Thirunelveli	383	62	5	19	4	8	70	17
Kanniyakumari	267	31	4	9	1	3	85	51
<b>Tamil Nadu</b>	<b>8683</b>	<b>1417</b>	<b>114</b>	<b>382</b>	<b>104</b>	<b>193</b>	<b>1513</b>	<b>511</b>

Note: \*Figure related to composite district of Perambalur and Ariyalur

Source: Monthly Bulletin on Family Welfare, Directorate of Family welfare, Tamil Nadu, September, 2006.

# **Chapter- V**

## **Contraception Indicators**

**Table 5.1 Percentage of currently married women age 15-44 years currently using any contraceptive method, 2002-04**

District / State	Any method	Any modern <sup>1</sup> method	Any modern spacing <sup>2</sup> method	Any traditional <sup>3</sup> method
Thiruvallur	63.9	61.3	6.7	2.6
Chennai	71.3	65.2	11.5	6.0
Kancheepuram	62.7	58.6	4.1	4.1
Vellore	55.7	54.3	2.3	1.4
Dharmapuri	53.0	52.6	2.6	0.4
Thiruvannamalai	58.1	57.6	1.5	0.5
Villupuram	55.1	53.3	2.8	1.8
Salem	54.6	49.9	5.9	4.6
Namakkal	54.9	52.9	6.2	2.0
Erode	62.7	58.0	5.5	4.7
The Nilgiris	66.0	62.7	3.4	3.3
Coimbatore	58.2	56.3	6.1	1.9
Dindigul	58.3	56.5	4.8	1.8
Karur	52.8	49.3	8.4	3.5
Trichirapalli	53.3	51.5	8.3	1.8
Perambalur	48.1	43.9	4.9	4.2
Ariyalur	47.3	45.7	6.0	1.6
Cuddalore	56.3	52.4	4.0	3.9
Nagapattinam	54.5	50.1	7.8	4.4
Tiruvarur	55.4	54.4	3.9	0.8
Thanjavur	57.5	51.8	5.3	5.7
Pudukottai	53.4	52.2	1.6	1.1
Sivagangai	59.6	53.7	4.8	5.9
Madurai	66.4	63.3	8.3	3.1
Theni	65.7	63.9	7.7	1.8
Virudunagar	50.0	48.9	3.4	1.0
Ramanathapuram	49.4	47.8	1.8	1.6
Tuticorin	44.0	42.4	3.0	1.5
Thirunelveli	55.5	53.5	6.5	2.0
Kanniyakumari	54.0	53.1	3.4	0.8
<b>Tamil Nadu</b>	<b>57.7</b>	<b>55.0</b>	<b>5.2</b>	<b>2.7</b>

Note: <sup>1</sup> Include Female sterilization, Male sterilization, IUD, Pills and Condom. <sup>2</sup> Include IUD, Pills and Condom. <sup>3</sup> Include Rhythm/Periodic abstinence, Withdrawal and Other traditional method.

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 5.2 Unmet need for limiting, spacing and total contraception**

District / State	Unmet need for limiting	Unmet need for spacing	Total
Thiruvallur	9.8	4.7	14.6
Chennai	6.8	3.2	10.1
Kanchepuram	11.8	2.8	14.7
Vellore	12.3	5.3	17.6
Dharmapuri	11.5	11.0	22.6
Thiruvannamalai	10.3	7.3	17.6
Villupuram	11.6	5.3	16.9
Salem	18.5	5.1	23.6
Namakkal	16.2	5.6	21.8
Erode	9.3	3.6	12.9
The Nilgiris	7.7	7.9	15.6
Coimbatore	13.4	4.3	17.7
Dindigul	12.0	5.0	16.9
Karur	15.7	5.2	20.9
Trichirapalli	17.3	6.8	24.1
Perambalur	21.3	3.3	24.6
Ariyalur	17.9	6.2	24.1
Cuddalore	13.8	6.8	20.6
Nagapattinam	14.7	7.0	21.6
Tiruvarur	17.3	5.3	22.6
Thanjavur	15.3	4.7	20.1
Pudukottai	12.7	6.9	19.6
Sivagangai	11.7	5.9	17.6
Madurai	8.3	3.2	11.5
Theni	12.0	5.5	17.5
Virudunagar	14.5	3.1	17.6
Ramanathapuram	15.0	7.7	22.6
Tuticorin	15.2	7.2	22.4
Thirunelveli	13.2	4.5	17.7
Kanniyakumari	12.0	8.9	20.8
<b>Tamil Nadu</b>	12.7	5.4	18.1

Source: Reproductive Child Health, District Level Household Survey, 2002-04, Tamil Nadu, IIPS, MOHFW, GOI, PRC Gandhigram

**Table 5.3 Percent experienced side effects of contraceptive use, 2004**

District	% experienced side effects on contraceptive use		
	Female sterilization	IUD	Pill
Thiruvallur	7.8	5.9	0.0
Chennai	12.7	24.7	0.0
Kancheपुरam	11.7	22.4	45.0
Vellore	7.2	11.7	0.0
Dharmapuri	18.8	11.7	0.0
Thiruvannamalai	21.4	25.9	0.0
Villupuram	14.2	0.0	0.0
Salem	19.3	11.0	0.0
Namakkal	13.1	14.0	0.0
Erode	5.3	0.0	0.0
The Nilgiris	4.5	17.8	0.0
Coimbatore	4.2	10.2	0.0
Dindigul	6.3	1.4	0.0
Karur	20.5	31.6	17.5
Trichirapalli	13.4	9.6	0.0
Perambalur	23.1	19.4	0.0
Ariyalur	18.3	0.0	0.0
Cuddalore	16.8	33.4	0.0
Nagapattinam	17.0	34.1	0.0
Tiruvarur	27.4	2.5	0.0
Thanjavur	15.1	18.6	41.8
Pudukottai	3.4	0.0	0.0
Sivagangai	15.3	5.1	0.0
Madurai	16.1	25.3	51.1
Theni	18.1	15.9	100.0
Virudunagar	6.0	13.6	0.0
Ramanathapuram	5.5	29.0	0.0
Tuticorin	16.1	20.4	0.0
Thirunelveli	17.5	9.0	0.0
Kanniyakumari	14.0	18.5	0.0

Source: Monthly Bulletin on Family Welfare, Directorate of Family welfare, Tamil Nadu, September, 2006.

**Table 5.4 Acceptance of contraception at one child, 2004**

<b>Districts</b>	<b>Acceptance at one child</b>
Thiruvallur	0.76
Chennai	0.90
Kanchepuram	0.73
Vellore	1.19
Dharmapuri	1.57
Thiruvannamalai	1.39
Villupuram	0.89
Salem	2.21
Namakkal	2.64
Erode	4.72
The Nilgiris	6.12
Coimbatore	5.18
Dindigul	4.63
Karur	3.69
Trichirapalli	2.50
Perambalur	1.65
Ariyalur	0.98
Cuddalore	1.22
Nagapattinam	0.46
Tiruvarur	0.83
Thanjavur	1.32
Pudukottai	0.70
Sivagangai	1.43
Madurai	1.14
Theni	2.24
Virudunagar	1.66
Ramanathapuram	0.62
Tuticorin	0.89
Thirunelveli	0.56
Kanniyakumari	1.32

Source: Monthly Bulletin on Family Welfare, Directorate of Family welfare, Tamil Nadu, September, 2006

## **Chapter –VI**

### **Other Indicators**

**Table 6.1 Rainfall (in mm), 2004**

District / State	South West Monsoon (June 2003 to September 2003)		North East Monsoon (October '03 to December '03)	
	Actual	Normal	Actual	Normal
Thiruvallur	413.5	449.5	376.8	604.1
Chennai	464.9	443.5	346.4	753.1
Kancheepuram	683.3	462.7	410.6	697.2
Vellore	582.9	442.0	242.4	353.0
Dharmapuri	377.0	391.8	295.1	303.4
Thiruvannamalai	753.7	465.8	337.6	439.8
Villupuram	636.0	433.0	530.8	484.8
Salem	431.2	380.0	360.9	347.0
Namakkal	218.9	317.0	231.7	291.0
Erode	136.1	213.1	347.2	323.5
The Nilgiris	577.0	1060.0	471.3	367.7
Coimbatore	90.1	192.9	305.4	327.0
Dindigul	297.3	251.4	396.6	399.2
Karur	61.5	249.7	358.0	365.4
Trichirapalli	370.0	270.3	412.6	356.1
Perambalur	473.5*	349.6*	477.5*	449.6*
Ariyalur	N.A	N.A	N.A	N.A
Cuddalore	434.0	373.6	779.2	716.5
Nagapattinam	257.5	274.1	786.6	886.4
Tiruvarur	290.8	301.8	623.4	665.4
Thanjavur	364.3	342.0	463.4	545.7
Pudukottai	406.3	350.7	427.7	418.0
Sivagangai	395.0	289.8	256.3	415.5
Madurai	339.4	305.4	323.3	373.0
Theni	82.8	178.4	273.7	384.0
Virudunagar	149.2	181.8	313.4	431.2
Ramanathapuram	118.6	136.1	428.2	507.4
Tuticorin	48.1	86.8	319.5	410.1
Thirunelveli	155.9	92.6	553.4	429.8
Kanniyakumari	148.3	327.8	241.2	427.4
<b>Tamil Nadu</b>	<b>336.5</b>	<b>331.5</b>	<b>403.1</b>	<b>464.6</b>

Note : \* Figure related composite districts of Perambalur and Ariyalur

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Table 6.2 Length of roads, 2002-03 (in kilometers)**

District / State	Surface roads				Un-surfaced roads	Grand total
	Cement concrete	Bituni-Nous	Water Bound mecadam	Total		
Thiruvallur	96.108	4047.259	896.957	5040.324	803.444	5843.768
Chennai	22.650	390.170	5.120	417.940	19.470	437.410
Kancheपुरam	274.680	4879.646	831.321	5985.647	882.000	6867.647
Vellore	312.390	5249.700	574.605	6136.695	1678.491	7815.186
Dharmapuri	210.684	5716.304	1170.384	7097.372	2367.153	9464.525
Thiruvannamalai	90.725	4497.921	656.957	5245.603	1393.082	6638.685
Villupuram	165.693	5503.961	385.883	6055.537	1805.088	7860.625
Salem	515.657	5039.229	1319.223	6874.109	1615.817	8489.926
Namakkal	156.873	3677.215	1109.126	4943.214	1244.288	6187.502
Erode	193.280	7279.736	1159.744	8632.760	3026.004	11658.764
The Nilgiris	62.633	2034.198	604.693	2701.524	1007.283	3708.807
Coimbatore	291.582	8928.830	975.906	10196.318	2687.587	12883.905
Dindigul	136.183	4171.163	784.794	5092.140	1820.878	6913.018
Karur	68.028	2256.738	446.632	2771.398	2164.881	4936.279
Trichirapalli	94.237	3882.829	1015.812	4992.878	1771.641	6764.519
Perambalur	11.836*	2417.583*	544.425*	2973.844*	1188.829*	4162.673*
Ariyalur	N.A	N.A	N.A	N.A	N.A	N.A
Cuddalore	89.416	3513.582	460.680	4063.678	648.663	4712.341
Nagapattinam	85.757	2429.106	492.871	3007.734	1864.675	4872.409
Tiruvarur	50.192	2355.340	957.342	3362.874	1557.996	4920.870
Thanjavur	173.576	4471.120	542.360	5187.056	1792.516	6979.572
Pudukottai	23.383	3363.755	914.958	4302.096	2008.905	6311.001
Sivagangai	49.251	3875.122	618.787	4543.160	1142.794	5685.954
Madurai	42.900	3081.598	464.816	3589.314	585.458	4174.772
Theni	101.657	1707.342	184.853	1993.852	555.713	2549.565
Virudunagar	215.818	3027.811	252.880	3496.509	839.812	4336.321
Ramanathapuram	100.007	2955.891	891.470	3947.368	1421.782	5369.150
Tuticorin	101.641	3467.405	391.455	3960.501	748.884	4709.385
Thirunelveli	353.754	5044.412	606.745	6004.911	1966.701	7971.612
Kanniyakumari	377.485	3142.317	788.654	4308.456	1011.200	5319.656
<b>Tamil Nadu</b>	<b>4468.076</b>	<b>112407.283</b>	<b>20049.453</b>	<b>136924.812</b>	<b>41621.035</b>	<b>178545.847</b>

Note : \* Figure related to composite districts of Perambalur and Ariyalur

N.A- Not Applicable

Source: Statistical Handbook, 2004, Department of Economics and Statistics, Tamil Nadu

**Annexure I****Definitions****Sex Ratio**

Number of females per 1000 males in the population.

**Child Sex ratio (0-6 years)**

Number of females in age group 0-6 years per 1000 males in the same age group in the population.

**Literacy rate**

The percentage of literates to the total population age 7 years and above.

**Dependency ratio**

Number of dependents (in the age group of 0-14 and 60+) for every 1000 members in working age group 15-59.

**Work participation rate**

Percentage of total workers (main and marginal) to total population.

**Birth rate**

Number of live births per 1000 population

**Death rate**

Number of deaths per 1000 population

**Total fertility rate**

Average number of children that would be born alive to a women during her reproductive span (15-49 years) of life

**Neonatal mortality rate**

Number of deaths to infants under 28 days of age per 1000 live births

**Post neonatal mortality rate**

Number of infant deaths between 28 days and 1 year per 1000 live births

**Infant mortality rate**

Number of Infant deaths under one year per 1000 live births

**Child mortality rate**

Number of deaths to children in age group 0-4 years per 1000 child population (0-4 years ).

**Maternal mortality ratio**

Number of maternal deaths due to pregnancy causes occurring during pregnancy and within 42 days after termination of pregnancy per 1lakh live births

**Nutritional Grade**

- i) Normal - 90% or more of standard weight
- ii) Mild - Between 75% and 90% of standard weight

iii) Moderate - Between 60 and 75% of standard weight

iv) Severe - 60% or below standard weight

#### Main worker

One who has worked for the major part of the year preceding the date of enumeration i.e. those who were engaged in any economical productive activity for 183 days or six months or more during the year.

#### Marginal worker

Those who worked any time in the year preceding the date of enumeration but did not work for the major part of the year i.e. those who worked for less than 183 days or six month.

#### Non worker

Those who have not worked any time at all in the year preceding date of enumeration.

#### Still birth rate

Number of still birth occurred after the completion of 28 weeks of gestation period per 1000 live births

#### Unmet need for spacing

Unmet need for spacing includes the proportion of currently married women who are neither in menopause or had hysterectomy nor are currently pregnant and who want more children after two years or later and are currently not using any family planning method. The women who are not sure about whether and when to have next child are also included in unmet need for spacing.

#### Unmet need for limiting

Unmet need for limiting includes the proportion of currently married women who are either in menopause or had hysterectomy nor are currently pregnant and do not want anymore children but are currently not using any family planning method.

Total unmet need refers unmet for limiting and spacing.

Legal age at marriage for boys is 21 years

Legal age at marriage for girls is 18 years

### **Acknowledgment**

The study team would like to thank all the state and district level officials for providing the valuable data for preparation of this compilation. The study team will also acknowledge the field investigators of PRC for compilation of the data.

**Annexure II****Abbreviations**

ANC	- Antenatal Care
CHC	- Community Health Centre
DLHS/RCH	- District Level Household Survey / Reproductive Child Health
FWP	- Family Welfare Programme
F.S	- Female Sterilization
GOI	- Government of India
HIV / AIDS	- Human Immunodeficiency Virus / Acquired Immune Deficiency Syndrome
HSC	- Health Sub Centre
ICDS	- Integrated Child Development Scheme
IFA	- Iron Folic Acid
IMR	- Infant Mortality Rate
IIPS	- International Institute for Population Sciences
I.U.D	- Intra Uterine Device
MMR	- Maternal Mortality Ratio
MOHFW	- Ministry of Health and Family Welfare
NMR	- Neo natal Mortality Rate
PHC	- Primary Health Centre
PNMR	- Post Neo natal Mortality Rate
PPC	- Post Partum Centre
PPTC	-Prevention of Parent to Child Transmission
PRC	- Population Research Centre
RFWC	- Rural Family Welfare Centre
RTI/STI	- Reproductive Tract Infection/ Sexually Transmitted Infection
STD	- Sexually Transmitted Disease
TFR	- Total Fertility Rate
TT	- Tetanus Toxoide
UFWC	- Urban Family Welfare Centre
UHP	- Urban Health Post