

## DISTRICT LEVEL HOUSEHOLD AND FACILITY SURVEY-4

# STATE FACT SHEET TAMIL NADU

(2012-13)



International institute for population sciences

 $(Deemed\ University)$ 

Mumbai

#### Introduction

Three rounds of District Level Household and Facility Survey (DLHS) have been undertaken by the Ministry of Health and Family Welfare, Government of India in the past (Round- I in 1998-99, Round-II in 2002-04, and Round-III in 2007-08) with the main objective to provide reproductive and child health related database at district level in India. The data from these surveys have been useful in setting the benchmarks and examining the progress the country has made after the implementation of RCH programme. In addition, the evidence generated by these surveys have also been useful for the monitoring and evaluation of ongoing programmes and planning of suitable strategies by the central and state governments. In view of the completion of six years of National Rural Health Mission (2005-12), there was a felt need to focus on the achievements and improvements so far. The Ministry of Health and Family Welfare, Government of India, therefore initiated the process of conducting DLHS-4 during 2012-2013 and has designated the International Institute for Population Sciences (IIPS) as the nodal agency to carry out the survey.

Bilingual questionnaires in the local language and English pertaining to Households and Ever Married Women (age 15-49 years) were canvassed by using Computer Assisted Personal Interviewing (CAPI). In DLHS-4 Clinical, Anthropometric and Bio-Chemical (CAB) tests were also carried out in all selected households. The village and health facilities were canvassed using printed questionnaires. In the household questionnaire, information on all members of the household and socio-economic characteristics of the household, assets possessed, number of marriages and deaths in the household since January 2008, etc. were collected. The ever-married women's questionnaire contained information on women's characteristics, maternal care, immunization and childcare, contraception and fertility preferences, reproductive health including knowledge about HIV/AIDS. The village questionnaire contained information on availability of health, education and other facilities in the village, and whether the facilities are accessible throughout the year. The health facility questionnaire contained information on human resources, infrastructure, and services. For the first time, a population-linked facility survey has been conducted in DLHS-4. All Community Health Centres (CHCs), District Hospitals and Sub Divisional Hospitals were covered. Further, all Sub-Health Centres and Primary Health Centres (PHCs) which serve the population of the selected PSUs were also covered. Fieldwork in Tamil Nadu was conducted during March 2013 to February 2014, gathering information from 46,084 households, 38,693 ever married women and also from 2,108 health facilities.

This fact sheet gives information on the key indicators and trends for the state of Tamil Nadu. A separate fact sheet is available for each of the 32 districts.

	DLHS-4 (2012-13)		DLHS-3 (2007-08)			
Indicators		RURAL				URBAN
Sample Size						
Households surveyed	46,084	24,709	21,375	32,623	19,547	13,076
Ever married women age15-49 years	38,693	20,874	17,819	26,685	15,867	10,818
Currently married women age 15-49 years interviewed	35,737	19,150	16,587	24,578	14,585	10,002
Population and household profile						
Percentage of population literate age 7+ years	81.0	76.2	86.2	77.6	72.5	85.2
Percentage of population below age 15 years	22.6	23.3	21.7	25.8	26.6	24.7
Mean household size	3.8	3.8	3.8	3.9	3.9	3.9
Sex ratio at birth (Males per 100 Females)	93	93	93	96	96	96
Percentage of households						
Having electricity	97.9	97.5	98.4	91.2	89.0	94.6
Improved source of drinking water <sup>1</sup>	97.4	96.9	97.9	94.7	92.8	97.6
Having access to improved toilet facility	52.3	32.7	73.3	38.8	19.6	67.5
Use clean fuel for cooking <sup>2</sup>	58.4	40.8	77.3	30.3	15.0	53.3
Marriage						
Mean age at marriage for girls (marriages that occurred during the reference period)	22.0	21.5	22.5	21.3	20.9	22.0
Mean age at marriage for boys (marriages that occurred during the reference period)	27.0	26.6	27.5	26.7	26.4	27.3
Percentage of currently married women married below age 18 years (marriages that occurred during the reference period)	5.3	6.5	3.9	9.1	11.0	6.2
Percentage of currently married men married below age 21 years (marriages that occurred during the reference period)	3.6	4.5	2.6	4.8	5.8	3.4
Characteristics of women (%)						
Currently married women who are illiterate	31.9	38.4	25.4	22.3	28.6	13.1
Currently married women with 10 or more years of schooling	36.1	28.9	43.4	29.1	20.6	41.4
Fertility (%)						
Births to women aged 15-19 years out of total births <sup>3</sup>	4.2	5.1	3.1	3.2	3.4	2.8
Women aged 20-24 years reporting birth order of 2 & above	33.6	34.8	31.8	35.8	37.6	32.6
Women aged 15-49 years who reported birth order of 3 & above	12.6	14.2	10.8	17.9	20.5	13.6
Women with two children wanting no more children	39.5	38.4	40.5	79.2	73.9	85.9
Mean no. of children ever born to women age 40-49 years	2.3	2.5	2.2	2.7	2.8	2.5
Current use of Family Planning Methods (%)						
Any method	53.3	54.4	52.2	59.9	59.8	60.1
Any modern method	52.8	54.0	51.7	57.8	58.2	57.4
Female sterilization	50.6	52.2	48.9	53.8	55.5	51.3
Male sterilization	0.3	0.2	0.3	0.2	0.2	0.2
Pill	0.1	0.1	0.0	0.2	0.2	0.2
IUD	1.0	0.7	1.3	2.0	1.3	3.0
Condom	0.7	0.5	1.0	1.6	0.9	2.6
Any traditional method	0.5	0.4	0.5	2.0	1.6	2.7
Unmet Need for Family Planning (%)						
Total unmet need <sup>4</sup>	27.1	26.4	27.9	19.4	19.4	19.5
Unmet Need for spacing	17.9	17.7	18.1	6.5	6.8	6.2
Unmet Need for limiting	9.2	8.7	9.8	12.9	12.6	13.3
Ever use of Emergency Contraceptive Pills (ECP)	0.8	0.6	0.9	0.2	0.2	0.2

Includes pipe water into dwelling, piped to yard/plot, public tap/standpipe/hand pump/tube well/bore well/well covered/protected spring, tanker/truck, cart with small tank/drum and packaged/bottled water. PG/PNG/Electricity/Biogas, DLHS-4 reference period is from 1-1-2008 to survey date; DLHS-3 reference period is from 1-1-2004 to survey date.

Unmet need for spacing includes fecund women who are neither pregnant nor amenorrhea, who are not using any method of family planning, and say they want to wait two or more years for their next birth. It also includes fecund women who are not using any method of family planning, and say they are unsure whether they want another child or who want another child but are unsure when to have the birth.

Unmet need for limiting includes fecund women who are neither pregnant nor amenorrhea, who are not using any method of family planning, and who want no more children. <sup>4</sup>Total unmet need refers to unmet need for limiting and spacing (These definitions are similar to NFHS-3)

	DLHS-4 (2012-13)		DLHS-3 (2007-08)			
Indicators		RURAL		TOTAL	RURAL	1 7 -
Quality of Family Planning Services (%)						
Non-users ever advised by health personnel to adopt any family planning method	. 28.7	28.3	29.0	28.5	31.2	24.6
Current users told about side effects of method	. 7.1	7.9	6.2	7.5	7.9	6.8
Users who received follow-up services for sterilization and IUD within 48 hours	. 71.8	70.9	72.7	89.0	89.2	88.6
Post-partum adoption of family planning for sterilization		94.3	94.7	88.2	88.3	88.2
Antenatal Care (women who had last live/still birth during reference period) (%)						
Pregnant women who received any antenatal check-up	. 90.7	92.0	89.3	98.8	98.6	99.3
Pregnant women who had antenatal check-up in first trimester		52.7	55.1	76.8	73.6	81.9
Pregnant women who had three or more ANC visits		71.1	71.2	95.6	94.8	97.0
Pregnant women who had at least one tetanus toxoid injection		84.6	80.6	97.3	96.8	98.0
Pregnant women whose Blood Pressure (BP) taken		79.6	76.6	95.4	94.2	97.2
Pregnant women who had blood tested (Hb)		72.4	70.0	95.7*	94.5*	97.5*
Pregnant women whose abdomen examined		41.5	43.9	93.0	91.9	94.8
Pregnant women who consumed 100 or more IFA Tablets/Syrup equivalent		41.9	42.7	54.7	51.0	60.6
Pregnant women who had full antenatal care <sup>5</sup>		36.2	37.3	54.7 51.8	47.7	58.2
Delivery Care (women who had live/still birth during reference period) (%)	. 37.0	30.2	37.3	31.0	41.1	30.2
Institutional delivery	. 98.9	98.9	99.0	94.1	91.8	97.6
Delivery at government health institutions		69.5	55.8	51.3	56.9	42.6
Delivery at government health institutions		29.4	43.2	42.8	34.9	55.0
Delivery by Caesarean section at government health institutions		14.3	13.6	7.6	7.7	7.4
Delivery by Caesarean section at government health institutions		14.9	19.8	14.9	11.6	20.2
Delivery by Caesarean section at private nearm institutions		0.5	0.4	5.7	7.9	2.3
Delivery at home conducted by skilled health personnel <sup>6</sup> (out of total deliveries)		0.3	0.4	1.5	2.1	0.6
Mothers who received post-natal care within 48 hours of Institutional delivery		60.1		86.3	83.7	90.4
Mothers who received post-natal care within two weeks of Institutional delivery		63.1	62.0	89.9	88.0	93.0
Delivery attended by skilled health personnel		99.0	65.9 99.0	95.6	93.9	98.2
Discharge of mothers from institution after minimum stay of 48 hours			92.5	NA	93.9 NA	NA
,		94.1 2.2	2.2	NA NA	NA NA	NA NA
Out of pocket expenditure per delivery in public health facility (Rs. in 000+)  Percentage of women who received JSY benefits	. 2.2	2.2	۷.۷	INA	INA	INA
Home delivery	. 13.5	17.4	7.1	17.8	19.3	9.8
Institutional delivery		34.2	25.7	23.2	27.0	17.7
Percentage of Women who had	. 30.1	34.2	25.7	23.2	21.0	17.7
Any Pregnancy complication <sup>7</sup>	. 45.5	45.6	45.4	47.8	47.9	47.6
Any Delivery complication <sup>7</sup>		11.6	10.4	37.6	36.7	39.2
Any Post-delivery complication		15.5	12.2	18.8	20.0	16.9
Problem of vaginal discharge during last three months		7.7	6.2	4.7	4.9	3.5
Menstrual related problems during last three months**		9.0	8.1	16.6	17.4	15.5
Percentage of pregnancy resulted in	. 0.0	9.0	0.1	10.0	17.4	10.0
Live Birth	. 97.0	96.8	97.2	89.6	90.1	88.6
Still Birth		1.1	1.3	1.1	1.2	1.1
Induced abortion.		0.9	0.6	2.7	2.3	3.4
Spontaneous abortion		1.2	0.0	6.6	6.4	6.8
Child Immunization (%) (Children age 12-23 months)	. 1.0	1.2	0.9	0.0	0.4	0.0
Number of children	2.055	1,231	824	2,001	1,219	782
Received full vaccination <sup>8</sup>	-	58.6	53.1	81.8	82.9	80.0
Not received any vaccination		1.6	2.1	0.1	0.2	0.1
Received BCG vaccine	_	89.4	89.6	99.5	99.6	99.4
Received 3 doses of DPT vaccine		69.4 74.7	71.8		99.6	
Received 3 doses of polio vaccine		82.1	71.8 76.0	89.7 90.6	90.1	89.1
Received 3 doses of polito vaccine		82.1 82.4		90.6 95.6	91.3 95.6	89.6 95.4
Children (age 9-35 months) received at least one dose of vitamin A supplement in last 6		02.4	81.6	95.6	93.0	30.4
Children (age 9-35 months) received at least one dose of vitamin A supplement in last 6	61.6	63.6	59.2	73.0	70.5	76.9
<sup>5</sup> Full ANC: At least three visits for antenatal check-up, one TT injection received and 100 IFA table						

<sup>.5</sup>Full ANC: At least three visits for antenatal check-up, one TT injection received and 100 IFA tablets or adequate amount of syrup consumed.

6Doctor/ANM/Nurse/midwife/LHV/Other health personnel, 7Women who had their last live/still birth since 1-1-2008. BCG, 3-injection of DPT, 3 doses of Polio (excluding polio zero) and Measles \* Any type of blood tested \*\* Excludes pregnant, in amenorrhea, in menopause, had hysterectomy and ever menstruated women

	DLHS-4 (2012-13)		DLHS-3 (2007-08)			
Indicators	TOTAL	RURAL	URBAN	TOTAL	RURAL	URBAN
Child feeding practices (based on last-born child in the reference period) (%)						
Children age 0-5 months exclusively breastfed <sup>9</sup>	52.2	51.3	53.3	64.0	65.0	62.2
Children age 6-9 months receiving solid/semi-solid food and breast milk	59.1	59.3	58.9	63.0	62.1	64.5
Children age 12-23 months receiving breast feeding along with complementary feeding**	62.0	62.5	61.4	NA	NA	NA
Children age 6-35 months exclusively breastfed for at least 6 months	18.8	19.3	18.2	22.4	22.4	22.4
Children under 3 years breastfed within one hour of birth	70.7	70.9	70.5	77.5	80.0	73.5
Birth Weight (%) (age below 36 months)						
Percentage of Children weighed at birth	95.7	95.5	96.1	NA	NA	NA
Percentage of Children with low birth weight (out of those who weighed) ( below 2.5 kg)	11.4	12.5	10.0	NA	NA	NA
Awareness about Diarrhoea (%)						
Women know about what to do when a child gets diarrhoea	59.7	58.2	61.3	65.9	64.2	68.4
Awareness about ARI (%)						
Women aware about danger signs of ARI <sup>10</sup>	15.8	12.8	18.7	7.2	4.8	10.5
Treatment of childhood diseases (based on last two surviving children born during the						
reference period) (%)						
Prevalence of diarrhoea in last 2 weeks for children under 5 year	5.7	5.5	5.8	5.6	5.5	5.7
Children with diarrhoea in the last 2 weeks and received ORS <sup>11</sup>	48.2	52.5	43.4	37.8	33.5	44.6
Children with diarrhoea in the last 2 weeks given Zinc along with ORS	25.5	30.5	19.9	NA	NA	NA
Children with diarrhoea in the last 2 weeks and sought advice/treatment	46.9	49.5	44.0	73.5	69.8	79.3
Prevalence of ARI in last 2 weeks for children under 5 years	5.3	5.7	5.0	8.1	8.9	6.8
Children with acute respiratory infection or fever in last 2 weeks and sought advice/treatment	78.6	77.4	80.2	84.8	83.1	88.0
Awareness of RTI/STI and HIV/AIDS (%)						
Women who have heard of RTI/STI	9.6	8.0	11.3	28.3	23.9	34.5
Women who have heard of HIV/AIDS	59.7	55.7	63.6	92.7	90.9	95.2
Women who have any symptoms of RTI/STI	10.0	10.4	9.7	7.1	7.8	6.1
Women who know the place to go for testing of HIV/AIDS <sup>12</sup>	47.5	46.0	48.8	75.2	73.7	77.3
Women underwent test for detecting HIV/AIDS <sup>12</sup>	34.5	34.8	34.2	23.4	23.0	23.9
Utilization of Government Health Services (%)						
Antenatal care	73.2	80.6	65.0	61.1	68.3	50.0
Treatment for pregnancy complications	63.7	73.7	52.3	45.8	52.3	35.0
Treatment for post-delivery complications	58.7	62.5	53.5	47.6	52.6	38.2
Treatment for vaginal discharge	56.5	62.7	47.3	43.7	46.6	37.7
Treatment for children with diarrhoea <sup>13</sup>	59.8	64.4	54.2	40.6	41.9	38.8
Treatment for children with ARI <sup>13</sup>	50.5	53.0	47.3	37.3	40.9	30.9
Birth Registration (%)						
Children below age 5 years having birth registration done	88.9	88.9	88.7	NA	NA	NA
Children below age 5 years who received birth certificate (out of those registered)	91.4	91.9	90.8	NA	NA	NA
Personal Habits (age 15 years and above) (%)						
Men who use any kind of smokeless tobacco	9.4	12.3	6.4	NA	NA	NA
Women who use any kind of smokeless tobacco	8.1	11.0	5.1	NA	NA	NA
Men who smoke	15.4	16.8	13.9	NA	NA	NA
Women who smoke	0.4	0.5	0.3	NA	NA	NA
Men who consume alcohol	19.3	21.9	16.6	NA	NA	NA
Women who consume alcohol	0.5	0.6	0.5	NA	NA	NA

<sup>9</sup> Children Who were given nothing but breast milk till the survey date <sup>10</sup>Acute Respiratory Infections <sup>11</sup>Oral Rehydration Solutions/Salts. <sup>12</sup>Based on the women who have heard of HIV/AIDS. <sup>13</sup> Last two weeks \*\*includes infant food, tinned powdered or fresh animal milk, fruit juice, tea/coffee or other liquid. na: percentage not shonw because of less number of cases.

	DLHS	-4 (2012·	-13)	DLH	S-3 (200	7-08)
Indicators	TOTAL					URBAN
Reported Prevalence of Morbidity						
Any Injury	4.5	5.1	3.9	NA	NA	NA
Acute Illness	3.5	4.0	2.9	NA	NA	NA
Chronic Illness	3.9	3.8	4.0	NA	NA	NA
Reported Prevalence of Chronic Illness during last one year (%)						
Disease of respiratory system	12.8	12.4	13.2	NA	NA	NA
Disease of cardiovascular system	5.1	5.6	4.6	NA	NA	NA
Persons suffering from tuberculosis	0.9	1.1	0.6	NA	NA	NA
Nutritional status of children below 5 years						
Children below 5 years wasting (weight for height- below 2 SD)	28.3	29.0	27.3	NA	NA	NA
Children below 5 years wasting (weight for height- below 3 SD)	13.9	14.5	13.1	NA	NA	NA
Children below 5 years stunting (height for age- below 2 SD)	27.3	30.1	23.7	NA	NA	NA
Children below 5 years stunting (height for age- below 3 SD)	11.8	13.3	9.9	NA	NA	NA
Children below 5 years underweight (weight for age- below 2 SD)	32.5	35.1	29.2	NA	NA	NA
Children below 5 years underweight (weight for age- below 3 SD)	10.7	12.3	8.8	NA	NA	NA
Anaemia Status by Haemoglobin Level <sup>14</sup> (%)						
Children (6-59 months) having anaemia	60.2	62.2	57.9	NA	NA	NA
Children (6-59 months) having severe anaemia		4.1	3.1	NA	NA	NA
Children (6-9 Years) having anaemia - Male	45.6	47.2	43.6	NA	NA	NA
Children (6-9 Years) having severe anaemia - Male		1.8	1.4	NA	NA	NA
Children (6-9 Years) having anaemia - Female		47.2	43.6	NA	NA	NA
Children (6-9 Years) having severe anaemia - Female		1.6	1.5	NA	NA	NA
Children (6-14 years) having anaemia - Male		41.8	38.6	NA	NA	NA
Children (6-14 years) having severe anaemia - Male	_	1.4	1.3	NA	NA	NA
Children (6-14 years) having anaemia - Female		47.0	44.1	NA	NA	NA
Children (6-14 years) having severe anaemia - Female	_	1.7	1.4	NA	NA	NA
Children (10-19 Years <sup>15</sup> ) having anaemia - Male		32.9	29.4	NA	NA	NA
Children (10-19 Years <sup>15</sup> ) having severe anaemia - Male		1.1	1.2	NA	NA	NA
Children (10-19 Years <sup>15</sup> ) having anaemia - Female		46.8	44.6	NA	NA	NA
Children (10-19 Years <sup>15</sup> ) having severe anaemia - Female		2.2	1.7	NA	NA	NA
Adolescents (15-19 years) having anaemia		36.9	34.3	NA	NA	NA
Adolescents (15-19 years) having severe anaemia		1.9	1.7	NA	NA	NA
Pregnant women (15-49 aged) having anaemia		55.1	55.9	NA	NA	NA
Pregnant women (15-49 aged) having severe anaemia		3.2	2.4	NA	NA	NA
Women (15-49 aged) having anaemia	_	49.7	48.8	NA	NA	NA
Women (15-49 aged) having severe anaemia	_	2.9	2.2	NA	NA	NA
Persons (20 years and above) having anaemia		40.1	37.7	NA	NA	NA
Persons (20 years and above) having Severe anaemia		2.3	1.8	NA	NA	NA
Blood Sugar Level (age 18 years and above) (%)	<b>-</b>	2.0	1.0			
Blood Sugar Level >140 mg/dl (high)	13.0	11.3	14.8	NA	NA	NA
Blood Sugar Level >160 mg/dl (very high)		6.6	9.4	NA	NA	NA
Hypertension (age 18 years and above) (%)						
Above Normal Range (Systolic >140 mm of Hg & Diastolic >90 mm of Hg )	22.3	20.7	24.0	NA	NA	NA
Moderately High (Systolic >160 mm of Hg & Diastolic >100 mm of Hg )		6.9	8.7	NA	NA	NA
Very High (Systolic >180 mm of Hg & Diastolic >110 mm of Hg )		2.7	3.3	NA	NA	NA
<sup>14</sup> Any anaemia below 11g/dl, severe anaemia below 7g/dl. <sup>15</sup> Excluding age group 19 years						
Chronic Illness: Any person with symptoms persisting for longer than one month is defined as su	uffering from	n chronic i	Ilness			

Indicators	Number/P	ercentage
Villages covered	DLHS-4	DLHS-3
Number of villages	924	900
Health Facilities covered		
Number of Sub-Health Centres	921	861
Number of Primary Health Centres (PHC)	507	423
Number of Community Health Centres (CHC) including Block PHC	402	373
Number of Sub-Divisional Hospitals (SDH)	248	NA
Number of District Hospitals (DH)	30	29
Health programmes at village level		
Percentage of villages having ASHA	26.3	1.1
Percentage of Villages having Village Health Nutrition and Sanitation Committee (VHNSC)	43.5	73.4
Accessibility of health facility (%)		
Villages with Sub-Health Centre within 3 km	81.9	83.7
Villages with PHC within 10 km	90.4	78.5
Availability of Health Infrastructure, Staff and Services (%)		
Sub-Health Centre		
Sub-Health Centre located in government building	75.5	72.2
Sub-Health Centre with ANM	33.9	99.8
Sub-Health Centre with male health worker	4.7	71.6
Sub-Health Centre with ANM residing in Sub-Health Centre quarter where facility is available	62.2	59.9
Sub-Health Centre with additional ANM	3.0	2.8
Primary Health Centre (PHC)		
PHCs functioning on 24 X 7 hours basis	94.1	50.6
PHCs having Lady Medical Officer *	69.4	62.4
PHCs with at least 4 beds	67.7	28.4
PHCs with AYUSH doctor*	52.2	10.9
PHCs having residential quarter for Medical Officer	18.7	22.2
PHCs having new born care services on 24 X 7 hours basis	94.2	93.5
PHCs having referral services for pregnancies/delivery on 24 X 7 hours basis	89.1	70.1
PHCs conducted at least 10 deliveries during last one month on 24 X 7 hours basis	51.4	59.4
Community Health Centre (CHC)		
CHCs having 24 X 7 hours normal delivery services	99.0	100.0
CHCs having Obstetrician/Gynaecologist	34.3	7.2
CHCs having Anesthetist	40.3	9.4
CHCs having functional Operation Theatre	72.4	56.8
CHCs designated as FRUs	88.8	46.7
CHCs designated as FRUs offering caesarean section	27.4	0.0
CHCs having new born care services on 24 X 7 hours basis	83.6	86.1
Sub Divisional Hospital (SDH)	05.0	NA
SDHs having Paediatrician	65.3	NA
SDHs having regular radiographer	40.3	NA
SDHs having 2D Echo facility	11.7	NA
SDHs having Ultrasound facility	81.1	NA NA
SDHs having critical care area	96.7	NA NA
SDHs having cuggestion and complaint how	42.3	NA NA
SDHs having suggestion and complaint box	66.9	NA
District Hospital (DH)  DHs having Paediatrician	90.0	91.6
DHs having Paediatrician  DHs having regular radiographer	50.0	60.0
DHs having 2D Echo facility	73.3	13.8
	93.3	NA
DHs having Ultrasound facility	100.0	93.1
DHs having three phase connection	46.6	79.3
DHs having critical care area	70.0	70.0
DHs having critical care area  DHs having suggestion and complaint box	76.7	58.6

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