



सत्यमेव जयते  
Government of India

Ministry of Health and Family Welfare

# DISTRICT LEVEL HOUSEHOLD AND FACILITY SURVEY -4

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## DISTRICT FACT SHEET **BANGALOR**

(2012-13)



(स्थापना / Established in 1956)

बेहतर भविष्य के लिए क्षमता निर्माण  
Capacity Building for a Better Future

**International institute for population sciences**  
(Deemed University)  
**Mumbai**

## **Introduction**

Three rounds of District Level Household and Facility Surveys (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 evidences generated by these surveys have been useful for 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 2011-2012 and 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 Household, Clinical, Anthropometric and Bio-Chemical tests (CAB) and Ever Married Women (age 15-49) were used and canvassed using Computer Assisted Personal Interview (CAPI). The village and health facility questionnaires were canvassed by using paper & pen in DLHS-4. In the household questionnaire, information on all members of the household and socio-economic characteristics of the household, assets possessed, number of marriages, morbidities and deaths in the household since January 2008, etc. were collected. The ever-married women 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. At the district level, all Community Health Centres and the District Hospitals and Sub Divisional Hospitals were covered. Further, all Sub-Health Centres and Primary Health Centres which were expected to serve the population of the selected PSUs were also covered. Fieldwork in Bangalore was conducted during July to September 2013, gathering information from 1,154 households, 922 ever married women and 50 health facilities.

This fact sheet gives information on the key indicators and trend for the district of Bangalore.

## Bangalore - Key Indicators

Indicators	DLHS-4 (2012-13)		DLHS-3 (2007-08)	
	TOTAL	RURAL	TOTAL	RURAL
<b>Sample Size</b>				
Households surveyed .....	1154	611	942	120
Ever married women age 15-49 years.....	922	527	770	107
Currently married women age 15-49 years interviewed .....	853	481	729	101
<b>Population and household profile</b>				
Percentage of population literate age 7+ years .....	84.0	79.9	88.2	77.5
Percentage of population below age 15 years.....	22.4	23.6	24.3	25.3
Mean household size.....	4.3	4.4	4.5	4.6
Sex ratio at birth (Male per 100 Female) .....	111.9	114.3	102.7	95.4
<b>Percentage of households</b>				
Having electricity.....	98.9	98.7	98.6	97.5
Improved source of drinking water <sup>1</sup> .....	97.9	97.5	99.2	100.0
Having access to improved toilet facility .....	89.7	82.3	95.9	75.8
Use clean fuel for cooking <sup>2</sup> .....	80.5	70.7	75.9	54.2
<b>Marriage</b>				
Mean age at marriage for girls (marriages that occurred during the reference period) .....	20.8	20.0	21.4	19.6
Mean age at marriage for boys (marriages that occurred during the reference period) .....	26.7	26.0	27.0	27.0
Percentage of currently married women married below age 18 years (marriages that occurred during the reference period) .....	11.6	15.7	10.6	10.0
Percentage of currently married men married below age 21 years (marriages that occurred during the reference period) .....	5.4	6.7	7.8	0.0
<b>Characteristics of women (%)</b>				
Currently married women who are illiterate .....	20.5	24.5	14.9	24.8
Currently married women with 10 or more years of schooling.....	48.7	41.0	57.5	38.6
<b>Fertility (%)</b>				
Births to women aged 15-19 years out of total births <sup>3</sup> .....	2.9	4.9	3.4	0.0
Women aged 20-24 years reporting birth order of 2 & above.....	46.5	45.1	53.7	92.3
Women aged 15-49 years who reported birth order of 3 & above.....	11.2	11.2	10.3	3.8
Women with two children wanting no more children.....	44.9	64.0	66.7	60
Mean no. of children ever born to women age 40-49 years .....	2.7	2.8	2.4	2.5
<b>Current use of Family Planning Methods (%)</b>				
Any method.....	65.9	67.8	60.0	58.4
Any modern method .....	64.2	66.4	59.2	58.4
Female sterilization.....	59.0	62.4	46.0	52.5
Male sterilization .....	0.4	0.4	0.0	0.0
Pill .....	0.6	0.8	1.6	2.0
IUD.....	1.8	1.0	6.3	4.0
Condom .....	2.5	1.5	4.8	0.0
<b>Unmet Need for Family Planning (%)</b>				
Total unmet need <sup>4</sup> .....	5.6	6.2	16.4	13.8
Unmet Need for spacing .....	2.8	2.9	4.8	5.9
Unmet Need for limiting .....	2.8	3.3	11.6	7.9
<sup>1</sup> 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. <sup>2</sup> LPG/PNG/Electricity/Biogas. <sup>3</sup> DLHS-4 reference period is from 1-1-2008 to survey date; DLHS-3 reference period is from 1-1-2004 to survey date. <b>Unmet need for spacing</b> 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. <b>Unmet need for limiting</b> includes fecund women who are neither pregnant nor amenorrhea, who are not using any method of family planning, and who want no more children (These definitions are similar to NFHS-3). <sup>4</sup> Total unmet need refers to unmet need for limiting and spacing				

## Bangalore - Key Indicators

Indicators	DLHS-4 (2012-13)		DLHS-3 (2007-08)	
	TOTAL	RURAL	TOTAL	RURAL
<b>Quality of Family Planning Services (%)</b>				
Non-users ever advised by health personnel to adopt any family planning method.....	20.8	16.2	19.6	5.9
Current users told about side effects of method.....	5.9	3.4	6.7	6.8
Users who received follow-up services for sterilization and IUD within 48 hours .....	75.0	75.3	86.6	76.8
Post-partum adoption of Family Planning for sterilization .....	89.0	90.8	87.6	96.2
<b>Antenatal Care<sup>5</sup> (Women who had last live/still birth during reference period) (%)</b>				
Pregnant women who received any antenatal check-up .....	99.6	100.0	98.6	94.7
Pregnant women who had antenatal check-up in first trimester .....	94.3	94.8	89.7	71.1
Pregnant women who had three or more ANC visits.....	98.0	97.4	98.1	94.7
Pregnant women who had at least one tetanus toxoid injection.....	96.3	99.4	98.0	94.7
Pregnant women whose Blood Pressure (BP) taken.....	98.4	98.1	98.5	94.7
Pregnant women who had blood tested (Hb) .....	95.5	94.2	98.5	94.7
Pregnant women whose abdomen examined.....	82.1	78.7	98.4	93.9
Pregnant women who consumed 100 or more IFA Tablets/Syrup equivalent.....	76.6	81.0	93.7	100.0
Pregnant women who had full antenatal care <sup>5</sup> .....	75.3	78.9	91.8	92.3
<b>Delivery Care (women who had live/still birth during reference period) (%)</b>				
Institutional delivery .....	95.1	95.4	93.8	82.1
Delivery at government health institutions .....	44.7	44.1	41.6	46.2
Delivery at private health institutions .....	50.4	51.3	52.2	35.9
Delivery by Caesarean section at government health institutions .....	8.5	8.6	9.6	12.8
Delivery by Caesarean section at private health institutions .....	23.6	25.0	21.6	10.5
Delivery at home .....	4.9	4.6	6.2	17.9
Delivery at home conducted by skilled health personnel <sup>6</sup> (Out of total Deliveries).....	0.8	1.3	1.4	5.3
Mothers who received post-natal care within 48 hours of Institutional delivery .....	91.8	97.4	89.0	71.8
Mothers who received post-natal care within two weeks of Institutional delivery .....	96.7	98.0	91.4	74.4
Delivery attended by skilled health personnel .....	96.3	96.7	92.9	82.2
Discharge of mothers from institution after minimum stay of 48 hours.....	77.4	73.1	NA	NA
Out of pocket expenditure per institutional delivery in Public health facility(Rs. in 000's) .....	5.41	6.65	NA	NA
<b>Percentage of women who received JSY benefits</b>				
Home delivery .....	NA	NA	NA	NA
Institutional delivery .....	13.7	16.6	4.1	9.7
<b>Percentage of Women who had</b>				
Any Pregnancy complication <sup>7</sup> .....	50.8	53.9	52.4	7.7
Any Delivery complication <sup>7</sup> .....	37.4	38.2	37.5	12.8
Any Post-delivery complication <sup>7</sup> .....	17.9	17.1	14.8	5.1
Problem of vaginal discharge during last three months.....	12.1	15.0	5.5	4.0
Menstrual related problems during last three months.....	12.0	11.7	17.2	8.8
<b>Percentage of pregnancy resulted in</b>				
Live Birth .....	92.9	95.3	91.6	95.2
Still Birth.....	NA	NA	1.7	4.8
Induced abortion .....	2.6	1.4	2.9	0.0
Spontaneous abortion.....	4.6	3.3	3.8	0.0
<b>Child Immunization (%) (Children age 12-23 months)</b>				
Number of children .....	52	33	76	12
Received full vaccination <sup>8</sup> .....	90.6	93.8	87.5	100.0
Received BCG vaccine .....	98.1	100.0	100.0	100.0
Received 3 doses of DPT vaccine .....	94.3	100.0	92.6	100.0
Received 3 doses of polio vaccine .....	96.2	96.9	97.6	100.0
Received measles vaccine .....	96.2	96.9	96.7	100.0
Children (age 9-35 months) received at least one dose of vitamin A supplement in last 6 months .....	84.9	94.4	84.8	79.2

<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.

<sup>6</sup>Doctor/ANM/Nurse/midwife/LHV/Other health personnel, <sup>7</sup>Women who had their last live/still birth since 1-1-2008. <sup>8</sup>BCG, 3-injection of DPT, 3 doses of Polio (excluding polio zero) and Measles

## Bangalore - Key Indicators

Indicators	DLHS-4 (2012-13)		DLHS-3 (2007-08)	
	TOTAL	RURAL	TOTAL	RURAL
<b>Child feeding practices (based on last-born child in the reference period) (%)</b>				
Children age 0-5 months exclusively breastfed <sup>9</sup> .....	54.5	66.7	NA	NA
Children age 6-9 months receiving solid/semi-solid food and breast milk.....	88.5	92.9	66.7	NA
Children age 12-23 months receiving breast feeding along with complementary feeding .....	81.1	87.5	NA	NA
Children age 6-35 months exclusively breastfed for at least 6 months .....	25.0	23.2	20.3	10.0
Children under 3 years breastfed within one hour of birth.....	49.4	44.7	53.3	88.5
<b>Birth Weight (%) (age below 36 months)</b>				
Percentage of Children weighed at birth .....	98.1	99.0	NA	NA
Percentage of Children with low birth weight (out of those who weighted) ( below 2.5 kg) .....	10.7	9.3	NA	NA
<b>Awareness about Diarrhoea (%)</b>				
Women know about what to do when a child gets diarrhoea.....	86.5	84.2	89.7	91.1
<b>Awareness about ARI (%)</b>				
Women aware about danger signs of ARI <sup>10</sup> .....	31.2	29.9	53.9	46.5
<b>Treatment of childhood diseases (based on last two surviving children born during the reference period) (%)</b>				
Prevalence of diarrhoea in last 2 weeks for under 5 years old children.....	5.4	6.0	7.5	4.2
Children with diarrhoea in the last 2 weeks and received ORS <sup>11</sup> .....	56.3	72.7	50.0	100.0
Children with diarrhoea in the last 2 weeks and sought advice/treatment .....	68.8	90.9	97.6	100.0
Prevalence of ARI in last 2 weeks for under 5 years old children .....	6.1	7.7	4.8	0.0
Children with acute respiratory infection or fever in last 2 weeks and sought advice/treatment .....	88.9	85.7	94.3	60.0
Children with diarrhoea in the last 2 weeks given Zinc along with ORS .....	50.0	54.5	NA	NA
<b>Awareness of RTI/STI and HIV/AIDS (%)</b>				
Women who have heard of RTI/STI.....	16.0	17.4	46.9	22.4
Women who have heard of HIV/AIDS.....	83.6	86.3	97.4	97.2
Women who have any symptoms of RTI/STI .....	11.4	10.4	NA	NA
Women who know the place to go for testing of HIV/AIDS <sup>12</sup> .....	80.3	79.4	80.4	68.9
Women underwent test for detecting HIV/AIDS <sup>12</sup> .....	50.0	50.1	34.2	18.3
<b>Utilization of Government Health Services (%)</b>				
Antenatal care .....	58.6	64.1	45.6	70.3
Treatment for pregnancy complications .....	42.0	47.6	32.0	NA
Treatment for post-delivery complications .....	40.5	50.0	59.3	100.0
Treatment for children with diarrhoea <sup>13</sup> .....	40.0	33.3	NA	NA
Treatment for children with ARI <sup>13</sup> .....	40.0	45.5	NA	NA
<b>Birth Registration (%)</b>				
Children below age 5 years having birth registration done .....	94.8	96.4	NA	NA
Children below age 5 years who received birth certificate (out of those registered).....	89.8	87.2	NA	NA
<b>Personal Habits (age 15 years and above) (%)</b>				
Men who use any kind of smokeless tobacco .....	14.2	12.9	NA	NA
Women who use any kind of smokeless tobacco .....	17.1	14.0	NA	NA
Men who smoke .....	18.0	13.8	NA	NA
Women who smoke.....	0.4	0.6	NA	NA
Men who consume alcohol.....	19.8	17.9	NA	NA
Women who consume alcohol .....	0.5	0.9	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

## Bangalore - Key Indicators

Indicators	DLHS-4 (2012-13)		DLHS-3 (2007-08)	
	TOTAL	RURAL	TOTAL	RURAL
<b>Reported Prevalence of Morbidity</b>				
Any Injury .....	1.3	1.2	NA	NA
Acute Illness .....	6.1	6.6	NA	NA
Chronic Illness .....	6.4	4.8	NA	NA
<b>Reported Prevalence of Chronic Illness during last one year (%)</b>				
Disease of respiratory system .....	8.8	11.0	NA	NA
Disease of cardiovascular system .....	11.7	7.1	NA	NA
Persons suffering from tuberculosis .....	0.3	0.8	NA	NA
<b>Anaemia Status by Haemoglobin Level<sup>14</sup> (%)</b>				
Children (6-59 months) having anaemia .....	83.3	86.7	NA	NA
Children (6-59 months) having severe anaemia .....	30.5	31.7	NA	NA
Children (6-9 Years) having anaemia - Male .....	83.8	88.7	NA	NA
Children (6-9 Years) having severe anaemia - Male .....	7.1	9.8	NA	NA
Children (6-9 Years) having anaemia - Female .....	84.7	93.6	NA	NA
Children (6-9 Years) having severe anaemia - Female .....	11.1	10.6	NA	NA
Children (6-14 years) having anaemia - Male .....	81.3	87.1	NA	NA
Children (6-14 years) having severe anaemia - Male .....	6.4	7.7	NA	NA
Children (6-14 years) having anaemia - Female .....	87.8	91.7	NA	NA
Children (6-14 years) having severe anaemia - Female .....	12.7	12.4	NA	NA
Children (10-19 Years <sup>15</sup> ) having anaemia - Male .....	66.7	75.5	NA	NA
Children (10-19 Years <sup>15</sup> ) having severe anaemia - Male .....	6.4	7.9	NA	NA
Children (10-19 Years <sup>15</sup> ) having anaemia - Female .....	84.5	86.8	NA	NA
Children (10-19 Years <sup>15</sup> ) having severe anaemia - Female .....	11.3	12.4	NA	NA
Adolescents (15-19 years) having anaemia .....	66.5	74.4	NA	NA
Adolescents (15-19 years) having severe anaemia .....	7.7	10.5	NA	NA
Pregnant women (15-49 aged) having anaemia .....	73.3	94.7	NA	NA
Pregnant women (15-49 aged) having severe anaemia .....	8.9	15.8	NA	NA
Women (15-49 aged) having anaemia .....	77.1	82.3	NA	NA
Women (15-49 aged) having severe anaemia .....	9.5	11.2	NA	NA
Persons (20 years and above) having anaemia .....	63.3	68.2	NA	NA
Persons (20 years and above) having Severe anaemia .....	6.7	7.7	NA	NA
<b>Blood Sugar Level (age 18 years and above) (%)</b>				
Blood Sugar Level >140 mg/dl (high) .....	17.2	13.7	NA	NA
Blood Sugar Level >160 mg/dl (very high) .....	10.5	8.2	NA	NA
<b>Hypertension (age 18 years and above) (%)</b>				
Above Normal Range (Systolic >140 mm of Hg & Diastolic >90 mm of Hg ) .....	25.5	25.4	NA	NA
Moderately High (Systolic >160 mm of Hg & Diastolic >100 mm of Hg ) .....	8.9	7.6	NA	NA
Very High (Systolic >180 mm of Hg & Diastolic >110 mm of Hg ) .....	3.3	3.0	NA	NA
<b>Iodized salt in Households (%)</b>				
Households using iodized salt (15+ppm) .....	52.2	70.7	NA	NA
<sup>14</sup> Any anaemia below 11g/dl, severe anaemia below 7g/dl. <sup>15</sup> Excluding age group 19 years				
<b>Chronic Illness</b> :Any person with symptoms persisting for longer than one month is defined as suffering from chronic illness				

## Bangalore - Key Indicators

Indicators	Number/Percentage	
	DLHS-4	DLHS-3
<b>Villages covered</b>		
Number of villages.....	25	4
<b>Health Facilities covered</b>		
Number of Sub-Health Centres .....	24	5
Number of Primary Health Centres (PHC) .....	19	5
Number of Community Health Centres (CHC) including Block PHC .....	3	NA
Number of Sub-Divisional Hospitals (SDH) .....	3	NA
Number of District Hospitals (DH) .....	1	NA
<b>Health programmes at village level</b>		
Percentage of villages having ASHA.....	92.0	0.0
Percentage of Villages having Village Health Nutrition and Sanitation Committee (VHNSC).....	44.0	50.0
<b>Accessibility of health facility (%)</b>		
Villages with Sub-Health Centre within 3 km .....	84.0	75.0
Villages with PHC within 10 km .....	92.0	100.0
<b>Availability of Health Infrastructure, Staff and Services at (%)</b>		
<b>Sub-Health Centre</b>		
Sub-Health Centre located in government building .....	50.0	20.0
Sub-Health Centre with ANM.....	87.5	100.0
Sub-Health Centre with male health worker .....	25.0	80.0
Sub-Health Centre with ANM residing in Sub-Health Centre quarter where facility is available .....	20.0	Na
Sub-Health Centre with additional ANM .....	0.0	0.0
<b>Primary Health Centre (PHC)</b>		
PHCs functioning on 24 X 7 hours basis .....	36.8	0.0
PHCs having Lady Medical Officer .....	22.2	20.0
PHCs with at least 4 beds .....	70.6	80.0
PHCs with AYUSH doctor.....	0.0	0.0
PHCs having residential quarter for Medical Officer .....	21.1	40.0
PHCs having new born care services on 24 X 7 hours basis .....	100.0	NA
PHCs having referral services for pregnancies/delivery on 24 X 7 hours basis .....	100.0	NA
PHCs conducted at least 10 deliveries during last one month on 24 X 7 hours basis.....	100.0	40.0
<b>Community Health Centre (CHC)</b>		
CHCs having 24 X 7 hours normal delivery services .....	2	NA
CHCs having Obstetrician/Gynaecologist .....	NA	NA
CHCs having Anesthetist.....	0	NA
CHCs having functional Operation Theatre .....	1	NA
CHCs designated as FRUs.....	1	NA
CHCs designated as FRUs offering caesarean section .....	0	NA
CHCs having new born care services on 24 X 7 hours basis.....	2	NA
<b>Sub Divisional Hospital (SDH)</b>		
SDHs having Paediatrician .....	3	NA
SDHs having regular radiographer .....	2	NA
SDHs having 2D Echo facility .....	1	NA
SDHs having Ultrasound facility .....	2	NA
SDHs having three phase connection .....	3	NA
SDHs having critical care area .....	1	NA
SDHs having suggestion and complaint box .....	3	NA
<b>District Hospital (DH)</b>		
DHs having Paediatrician .....	1	NA
DHs having regular radiographer.....	1	NA
DHs having 2D Echo facility .....	0	NA
DHs having Ultrasound facility.....	1	NA
DHs having three phase connection.....	1	NA
DHs having critical care area.....	0	NA
DHs having suggestion and complaint box.....	1	NA

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For additional information, please contact:

**Director/Project Coordinator (DLHS-4)**

**International Institute for Population Sciences**

Govandi Station Road, Deonar

Mumbai - 400 088 (India)

Telephone: 022-2556 3254/5/6, 022-4237 2465, 42372411

Fax: 022-25563257, 25555895

Email: rchpro@iips.net, director@iips.net

Website: <http://www.rchiips.org>

<http://www.iipsindia.org>

**Additional Director General (Stat.)**

**Ministry of Health and Family Welfare**

Government of India

Nirman Bhavan

New Delhi 110 011

Telephone: 011 - 23061334

Fax: 011 - 23061334

Email: adg-mohfw@nic.in

**Chief Director (Stat.)**

**Ministry of Health and Family Welfare**

Government of India

Nirman Bhavan

New Delhi 110 011

Telephone: 011 - 23062699

Fax: 011 - 23062699

Email: cdstat@nic.in

Website: <http://www.mohfw.nic.in>