



सरकारमेव जयते
Government of India

Ministry of Health and Family Welfare

DISTRICT LEVEL HOUSEHOLD AND FACILITY SURVEY -4

DISTRICT FACT SHEET **HASSAN**

(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 Hassan was conducted during January to July 2013, gathering information from 1,320 households, 1,267 ever married women and 61 health facilities.

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

Hassan - Key Indicators

Indicators	DLHS-4 (2012-13)		DLHS-3 (2007-08)	
	TOTAL	RURAL	TOTAL	RURAL
Sample Size				
Households surveyed	1320	671	1041	857
Ever married women age 15-49 years.....	1267	643	943	775
Currently married women age 15-49 years interviewed	1178	598	857	703
Population and household profile				
Percentage of population literate age 7+ years	82.5	74.1	73.3	70.6
Percentage of population below age 15 years.....	23.1	22.5	24.9	24.4
Mean household size.....	4.2	4.3	4.5	4.5
Sex ratio at birth (Male per 100 Female)	92.2	92.2	95.6	94.7
Percentage of households				
Having electricity.....	92.6	89.9	89.6	87.6
Improved source of drinking water ¹	95.5	92.5	95.2	94.2
Having access to improved toilet facility	69.1	44.1	31.4	19.1
Use clean fuel for cooking ²	52.4	18.2	14.5	4.0
Marriage				
Mean age at marriage for girls (marriages that occurred during the reference period)	22.1	21.5	26.5	26.1
Mean age at marriage for boys (marriages that occurred during the reference period)	27.2	26.4	20.4	20.3
Percentage of currently married women married below age 18 years (marriages that occurred during the reference period)	3.7	5.7	2.9	3.6
Percentage of currently married men married below age 21 years (marriages that occurred during the reference period)	5.6	8.3	13.1	14.2
Characteristics of women (%)				
Currently married women who are illiterate	20.4	31.1	35.7	40.9
Currently married women with 10 or more years of schooling.....	42.5	27.2	23.3	17.1
Fertility (%)				
Births to women aged 15-19 years out of total births ³	3.5	4.2	11.0	12.1
Women aged 20-24 years reporting birth order of 2 & above.....	46.3	49.6	52.4	53.0
Women aged 15-49 years who reported birth order of 3 & above.....	8.8	6.8	18.6	21.4
Women with two children wanting no more children.....	54.0	52.0	74.2	68.2
Mean no. of children ever born to women age 40-49 years	2.7	2.6	3.2	3.3
Current use of Family Planning Methods (%)				
Any method.....	71.8	76.4	79.9	80.3
Any modern method	70.9	76.3	79.2	80.1
Female sterilization.....	62.9	72.2	74.4	76.2
Male sterilization	0.3	0.2	0.1	0.1
Pill	0.9	0.5	0.5	0.3
IUD.....	2.7	2.0	1.4	1.5
Condom	4.0	1.5	0.6	0.5
Unmet Need for Family Planning (%)				
Total unmet need ⁴	7.8	6.5	9.2	9.3
Unmet Need for spacing	2.6	3.0	4.4	4.8
Unmet Need for limiting	5.2	3.5	4.8	4.5
¹ 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. ² LPG/PNG/Electricity/Biogas. ³ 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 (These definitions are similar to NFHS-3).				
⁴ Total unmet need refers to unmet need for limiting and spacing				

Hassan - Key Indicators

Indicators	DLHS-4 (2012-13)		DLHS-3 (2007-08)	
	TOTAL	RURAL	TOTAL	RURAL
Quality of Family Planning Services (%)				
Non-users ever advised by health personnel to adopt any family planning method.....	46.3	46.4	16.7	16.2
Current users told about side effects of method.....	16.7	16.9	16.0	15.2
Users who received follow-up services for sterilization and IUD within 48 hours	73.8	71.9	74.2	77.2
Post-partum adoption of Family Planning for sterilization	98.7	99.1	84.1	87.8
Antenatal Care⁵ (Women who had last live/still birth during reference period) (%)				
Pregnant women who received any antenatal check-up	100.0	100.0	98.6	98.2
Pregnant women who had antenatal check-up in first trimester	94.6	96.7	92.0	93.0
Pregnant women who had three or more ANC visits.....	97.8	99.2	94.0	93.0
Pregnant women who had at least one tetanus toxoid injection.....	99.6	100.0	94.4	94.7
Pregnant women whose Blood Pressure (BP) taken.....	94.6	96.4	98.4	98.0
Pregnant women who had blood tested (Hb)	84.7	83.2	98.4	98.0
Pregnant women whose abdomen examined.....	94.3	93.5	97.9	97.3
Pregnant women who consumed 100 or more IFA Tablets/Syrup equivalent.....	71.7	77.5	70.9	72.9
Pregnant women who had full antenatal care ⁵	61.6	52.9	64.8	65.9
Delivery Care (women who had live/still birth during reference period) (%)				
Institutional delivery	98.7	97.8	80.1	78.9
Delivery at government health institutions	63.3	81.8	55.6	58.5
Delivery at private health institutions	35.4	16.1	24.3	20.5
Delivery by Caesarean section at government health institutions	16.7	15.3	9.9	10.5
Delivery by Caesarean section at private health institutions	19.0	8.0	9.0	7.6
Delivery at home	1.0	1.5	16.9	18.8
Delivery at home conducted by skilled health personnel ⁶ (Out of total Deliveries).....	0.6	1.5	3.2	3.5
Mothers who received post-natal care within 48 hours of Institutional delivery	90.0	89.8	67.6	64.7
Mothers who received post-natal care within two weeks of Institutional delivery	96.5	97.1	73.6	70.6
Delivery attended by skilled health personnel	99.3	99.3	85.3	83.6
Discharge of mothers from institution after minimum stay of 48 hours.....	73.9	63.4	NA	NA
Out of pocket expenditure per institutional delivery in Public health facility(Rs. in 000's)	4.02	3.89	NA	NA
Percentage of women who received JSY benefits				
Home delivery	NA	NA	12.0	13.0
Institutional delivery	42.7	57.5	25.7	28.9
Percentage of Women who had				
Any Pregnancy complication ⁷	62.1	67.2	66.4	69.0
Any Delivery complication ⁷	44.4	48.9	49.5	51.5
Any Post-delivery complication ⁷	20.3	26.3	34.6	35.7
Problem of vaginal discharge during last three months.....	12.3	12.8	15.7	16.1
Menstrual related problems during last three months.....	22.5	21.5	26.0	26.6
Percentage of pregnancy resulted in				
Live Birth.....	91.3	93.8	89.4	92.1
Still Birth.....	1.6	1.9	1.2	1.6
Induced abortion	1.6	1.9	2.4	0.5
Spontaneous abortion.....	2.4	3.0	6.9	5.8
Child Immunization (%) (Children age 12-23 months)				
Number of children	99	56	63	46
Received full vaccination ⁸	88.0	84.0	87.3	85.1
Received BCG vaccine	98.9	98.0	100.0	100.0
Received 3 doses of DPT vaccine	93.4	89.8	93.2	91.3
Received 3 doses of polio vaccine	95.6	93.9	94.5	93.5
Received measles vaccine	96.7	95.9	90.9	89.4
Children (age 9-35 months) received at least one dose of vitamin A supplement in last 6 months	88.8	87.3	93.2	93.1

⁵Full 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. ⁸BCG, 3-injection of DPT, 3 doses of Polio (excluding polio zero) and Measles

Hassan - Key Indicators

Indicators	DLHS-4 (2012-13)		DLHS-3 (2007-08)	
	TOTAL	RURAL	TOTAL	RURAL
Child feeding practices (based on last-born child in the reference period) (%)				
Children age 0-5 months exclusively breastfed ⁹	68.8	73.3	NA	NA
Children age 6-9 months receiving solid/semi-solid food and breast milk.....	87.0	91.7	57.1	50.0
Children age 12-23 months receiving breast feeding along with complementary feeding	83.0	73.9	NA	NA
Children age 6-35 months exclusively breastfed for at least 6 months	22.1	10.6	33.6	34.4
Children under 3 years breastfed within one hour of birth.....	68.5	70.3	57.6	54.9
Birth Weight (%) (age below 36 months)				
Percentage of Children weighed at birth.....	99.6	99.0	NA	NA
Percentage of Children with low birth weight (out of those who weighted) (below 2.5 kg)	7.3	5.9	NA	NA
Awareness about Diarrhoea (%)				
Women know about what to do when a child gets diarrhoea.....	96.9	95.3	93.8	93.4
Awareness about ARI (%)				
Women aware about danger signs of ARI ¹⁰	49.1	41.8	49.7	48.6
Treatment of childhood diseases (based on last two surviving children born during the reference period) (%)				
Prevalence of diarrhoea in last 2 weeks for under 5 years old children.....	7.5	7.1	6.6	7.5
Children with diarrhoea in the last 2 weeks and received ORS ¹¹	75.9	69.2	58.8	60.0
Children with diarrhoea in the last 2 weeks and sought advice/treatment.....	69.0	76.9	77.0	80.0
Prevalence of ARI in last 2 weeks for under 5 years old children	13.2	14.8	6.2	5.9
Children with acute respiratory infection or fever in last 2 weeks and sought advice/treatment	96.1	96.3	88.1	84.2
Children with diarrhoea in the last 2 weeks given Zinc along with ORS	69.0	76.9	NA	NA
Awareness of RTI/STI and HIV/AIDS (%)				
Women who have heard of RTI/STI.....	58.3	55.4	53.0	47.1
Women who have heard of HIV/AIDS.....	90.5	86.5	83.8	80.6
Women who have any symptoms of RTI/STI	24.9	27.4	NA	NA
Women who know the place to go for testing of HIV/AIDS ¹²	89.4	86.3	70.1	65.2
Women underwent test for detecting HIV/AIDS ¹²	55.9	50.1	29.0	27.8
Utilization of Government Health Services (%)				
Antenatal care	65.6	75.2	65.2	70.1
Treatment for pregnancy complications	57.4	71.0	63.9	67.6
Treatment for post-delivery complications	63.6	75.0	63.5	62.7
Treatment for children with diarrhoea ¹³	60.0	90.0	NA	NA
Treatment for children with ARI ¹³	52.0	61.5	NA	NA
Birth Registration (%)				
Children below age 5 years having birth registration done	94.5	94.9	NA	NA
Children below age 5 years who received birth certificate (out of those registered).....	96.2	96.2	NA	NA
Personal Habits (age 15 years and above) (%)				
Men who use any kind of smokeless tobacco	20.9	27.9	NA	NA
Women who use any kind of smokeless tobacco	12.2	17.2	NA	NA
Men who smoke	19.8	22.3	NA	NA
Women who smoke.....	1.7	0.9	NA	NA
Men who consume alcohol.....	16.3	18.3	NA	NA
Women who consume alcohol	1.6	1.3	NA	NA

⁹ Children Who were given nothing but breast milk till the survey date ¹⁰Acute Respiratory Infections ¹¹Oral Rehydration Solutions/Salts. ¹²Based on the women who have heard of HIV/AIDS. ¹³Last two weeks

Hassan - Key Indicators

Indicators	DLHS-4 (2012-13)		DLHS-3 (2007-08)	
	TOTAL	RURAL	TOTAL	RURAL
Reported Prevalence of Morbidity				
Any Injury	2.9	4.2	NA	NA
Acute Illness	18.4	20.9	NA	NA
Chronic Illness	15.7	14.3	NA	NA
Reported Prevalence of Chronic Illness during last one year (%)				
Disease of respiratory system	11.4	13.4	NA	NA
Disease of cardiovascular system	8.4	10.2	NA	NA
Persons suffering from tuberculosis	0.4	0.5	NA	NA
Anaemia Status by Haemoglobin Level¹⁴ (%)				
Children (6-59 months) having anaemia	65.9	70.4	NA	NA
Children (6-59 months) having severe anaemia	8.1	7.5	NA	NA
Children (6-9 Years) having anaemia - Male	53.5	56.9	NA	NA
Children (6-9 Years) having severe anaemia - Male	4.9	4.2	NA	NA
Children (6-9 Years) having anaemia - Female	55.6	50.0	NA	NA
Children (6-9 Years) having severe anaemia - Female	4.9	4.5	NA	NA
Children (6-14 years) having anaemia - Male	54.8	57.5	NA	NA
Children (6-14 years) having severe anaemia - Male	3.6	1.9	NA	NA
Children (6-14 years) having anaemia - Female	57.5	58.2	NA	NA
Children (6-14 years) having severe anaemia - Female	3.2	3.2	NA	NA
Children (10-19 Years ¹⁵) having anaemia - Male	51.9	54.4	NA	NA
Children (10-19 Years ¹⁵) having severe anaemia - Male	2.2	1.4	NA	NA
Children (10-19 Years ¹⁵) having anaemia - Female	55.7	61.5	NA	NA
Children (10-19 Years ¹⁵) having severe anaemia - Female	2.7	3.0	NA	NA
Adolescents (15-19 years) having anaemia	47.9	51.7	NA	NA
Adolescents (15-19 years) having severe anaemia	4.0	3.4	NA	NA
Pregnant women (15-49 aged) having anaemia	69.2	75.9	NA	NA
Pregnant women (15-49 aged) having severe anaemia	7.5	6.7	NA	NA
Women (15-49 aged) having anaemia	58.5	62.1	NA	NA
Women (15-49 aged) having severe anaemia	5.7	5.4	NA	NA
Persons (20 years and above) having anaemia	50.8	52.1	NA	NA
Persons (20 years and above) having Severe anaemia	4.4	4.3	NA	NA
Blood Sugar Level (age 18 years and above) (%)				
Blood Sugar Level >140 mg/dl (high)	9.9	6.6	NA	NA
Blood Sugar Level >160 mg/dl (very high)	4.8	3.1	NA	NA
Hypertension (age 18 years and above) (%)				
Above Normal Range (Systolic >140 mm of Hg & Diastolic >90 mm of Hg)	21.3	21.0	NA	NA
Moderately High (Systolic >160 mm of Hg & Diastolic >100 mm of Hg)	6.9	6.5	NA	NA
Very High (Systolic >180 mm of Hg & Diastolic >110 mm of Hg)	2.4	2.4	NA	NA
Iodized salt in Households (%)				
Households using iodized salt (15+ppm)	59.2	62.5	NA	NA
¹⁴ Any anaemia below 11g/dl, severe anaemia below 7g/dl. ¹⁵ Excluding age group 19 years				
Chronic Illness :Any person with symptoms persisting for longer than one month is defined as suffering from chronic illness				

Hassan - Key Indicators

Indicators	Number/Percentage	
	DLHS-4	DLHS-3
Villages covered		
Number of villages.....	25	40
Health Facilities covered		
Number of Sub-Health Centres	24	38
Number of Primary Health Centres (PHC)	22	30
Number of Community Health Centres (CHC) including Block PHC	7	6
Number of Sub-Divisional Hospitals (SDH)	7	NA
Number of District Hospitals (DH)	1	1
Health programmes at village level		
Percentage of villages having ASHA.....	84.0	2.5
Percentage of Villages having Village Health Nutrition and Sanitation Committee (VHNSC).....	68.0	42.5
Accessibility of health facility (%)		
Villages with Sub-Health Centre within 3 km	72.0	60.0
Villages with PHC within 10 km	84.0	85.0
Availability of Health Infrastructure, Staff and Services at (%)		
Sub-Health Centre		
Sub-Health Centre located in government building	41.7	42.1
Sub-Health Centre with ANM.....	100.0	97.4
Sub-Health Centre with male health worker	20.8	26.3
Sub-Health Centre with ANM residing in Sub-Health Centre quarter where facility is available	40.0	60.0
Sub-Health Centre with additional ANM	4.2	0.0
Primary Health Centre (PHC)		
PHCs functioning on 24 X 7 hours basis	22.7	40.0
PHCs having Lady Medical Officer	14.3	23.3
PHCs with at least 4 beds	75.0	83.3
PHCs with AYUSH doctor.....	9.5	13.3
PHCs having residential quarter for Medical Officer	40.9	60.0
PHCs having new born care services on 24 X 7 hours basis	83.3	NA
PHCs having referral services for pregnancies/delivery on 24 X 7 hours basis	60.0	NA
PHCs conducted at least 10 deliveries during last one month on 24 X 7 hours basis.....	20.0	40.0
Community Health Centre (CHC)		
CHCs having 24 X 7 hours normal delivery services	12	5
CHCs having Obstetrician/Gynaecologist	NA	0
CHCs having Anesthetist.....	2	NA
CHCs having functional Operation Theatre	7	2
CHCs designated as FRUs.....	5	3
CHCs designated as FRUs offering caesarean section	1	0
CHCs having new born care services on 24 X 7 hours basis.....	10	1
Sub Divisional Hospital (SDH)		
SDHs having Paediatrician	4	NA
SDHs having regular radiographer	0	NA
SDHs having 2D Echo facility	0	NA
SDHs having Ultrasound facility	1	NA
SDHs having three phase connection	7	NA
SDHs having critical care area	0	NA
SDHs having suggestion and complaint box	7	NA
District Hospital (DH)		
DHs having Paediatrician	1	1
DHs having regular radiographer.....	1	1
DHs having 2D Echo facility	0	0
DHs having Ultrasound facility.....	1	NA
DHs having three phase connection.....	1	1
DHs having critical care area.....	0	0
DHs having suggestion and complaint box.....	1	1

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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>