

**GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH AND FAMILY WELFARE**

**LOK SABHA
UNSTARRED QUESTION NO. 4101
TO BE ANSWERED ON 04TH JANUARY, 2019**

NATIONAL FAMILY HEALTH SURVEY (NFHS)/ANNUAL HEALTH SURVEY

**4101. SHRI DHANANJAY MAHADIK:
SHRIMATI SUPRIYA SULE:
SHRI MOHITE PATIL VIJAYSINH SHANKARRAO:
DR. HEENA VIJAYKUMAR GAVIT:
SHRI SATAV RAJEEV:**

Will the Minister of **HEALTH AND FAMILY WELFARE** be pleased to state:

- (a) the number of National Family Health Survey (NFHS)/Annual Health Surveys conducted in rural and urban areas of the country and the major findings in these surveys State/UT-wise;
- (b) whether a number of States/UTs were not covered by some of these surveys and if so, the details thereof along with the reasons therefor;
- (c) whether the Government has restructured the format of National Family Health Survey/Annual Health Survey;
- (d) if so, the details thereof along with the reasons therefor;
- (e) the steps taken by the Government to ensure compilation of true and objective data in order to help the Government in making its future policies and programmes; and
- (f) the corrective steps taken by the Government to improve Healthcare in rural and urban areas of the country, State/UT wise?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(SHRI ASHWINI KUMAR CHOUBEY)**

(a): Four rounds of National Family Health Survey (NFHS) were conducted in the country during 1992-93(NFHS 1), 1998-99 (NFHS 2), 2005-06 (NFHS-3) and 2015-16 (NFHS-4) under the stewardship of the Ministry of Health and Family Welfare, Government of India, with the International Institute for Population Sciences, Mumbai, as the nodal agency. The Three rounds (2010-11, 2011-12 and 2012-13) of Annual Health Survey (AHS) was carried out through the Office of Registrar General & Census Commissioner of India in 284 districts of States namely Assam and Empowerment Action Group (EAG) States (Bihar, Chhattisgarh, Jharkhand, Madhya Pradesh, Odisha, Rajasthan, Uttar Pradesh and Uttarakhand) have been completed.

The major findings of NFHS-4 and AHS are given at as Annexure-I& II.

The detailed findings of these surveys are available at link

<http://rchiips.org/NFHS/index.shtml>.

The survey results including the Clinical Anthropometric and Biological (CAB) component are now available on the website (<http://www.censusindia.gov.in/2011-common/AHSurvey.html>) of ORGI.

(b): In NFHS-1 Sikkim and the Kashmir region of Jammu and Kashmir have not been covered primarily due to the local law and order situation. Further, Union Territories except Delhi were also not covered in NFHS 1 to NFHS 3, as the total population of these areas taken together are less than one percent of India's population.

As per the mandate, Annual Health Surveys (AHS) was conducted only in EAG states and Assam.

(c) & (d): Govt. has restructured NFHS from 2015-16 whereas its coverage has widened to provide estimates at district level. This has been termed as benchmark for the future NFHS surveys. Along with the coverage, the content of different rounds of NFHS has been increasing as per the new requirements of various ministries.

(e): District Level Household and Facility Survey (DLHS) with varying periodicity and Annual Health Survey in 8 EAG States and Assam were subsumed to an integrated NFHS with a periodicity of three years. The Ministry launched National Family Health Survey(NFHS)-4 as an integrated survey with the aim to provide estimates of key family welfare and health indicators at the National, State and District levels.

(f): The corrective steps taken by the Government to improve Healthcare in rural and urban areas of the country, State/UT-wise is given at Annexure-III.

Some of the major findings from National Family Health Survey (NFHS)

State/union territory	Total Fertility Rate (TFR)				Infant Mortality Rate (IMR)			
	NFHS-1	NFHS-2	NFHS-3	NFHS-4	NFHS-1	NFHS-2	NFHS-3	NFHS-4
India	3.39	2.85	2.68	2.18	78.5	67.6	57.0	40.7
Andhra Pradesh	2.59	2.25	1.79	1.83	70.4	65.8	53.5	34.9
Assam	3.53	2.31	2.42	2.21	88.7	69.5	66.1	47.6
Bihar	4.00	3.70	4.00	3.41	89.2	72.9	61.7	48.1
Chattisgarh	-	-	2.62	2.23	-	-	70.8	54.0
Gujarat	2.99	2.72	2.42	2.03	68.7	62.6	49.7	34.2
Haryana	3.99	2.88	2.69	2.05	73.3	56.8	41.7	32.8
Jharkhand	-	-	3.31	2.55	-	-	68.7	43.5
Karnataka	2.85	2.13	2.07	1.80	65.4	51.5	43.2	26.9
Kerala	2.00	1.96	1.93	1.56	23.8	16.3	15.3	5.6
Madhya Pradesh	3.90	3.43	3.12	2.32	85.2	86.1	69.5	51.2
Maharashtra	2.86	2.52	2.11	1.87	50.5	43.7	37.5	23.7
Odisha	2.92	2.46	2.37	2.05	112.1	81.0	64.7	39.6
Punjab	2.92	2.21	1.99	1.62	53.7	57.1	41.7	29.2
Rajasthan	3.63	3.78	3.21	2.40	72.6	80.4	65.3	41.3
Tamil Nadu	2.48	2.19	1.80	1.70	67.7	48.2	30.4	20.2
Telangana	-	-	-	1.78	-	-	-	27.7
Uttar Pradesh	4.82	4.06	3.82	2.74	99.9	86.7	72.7	63.5
West Bengal	2.92	2.29	2.27	1.77	75.3	48.7	48.0	27.5
Arunachal Pradesh	4.25	2.52	3.03	2.10	40.0	63.1	60.7	22.9
Delhi	3.02	2.40	2.13	1.78	65.4	46.8	39.8	31.2
Goa	1.90	1.77	1.79	1.66	31.9	36.7	15.3	12.9
Himachal Pradesh	2.97	2.14	1.94	1.88	55.8	34.4	36.1	34.3
Jammu & Kashmir#	3.13	2.71	2.38	2.01	45.4	65.0	44.7	32.4
Manipur	2.76	3.04	2.83	2.61	42.4	37.0	29.7	21.7
Meghalaya	3.73	4.57	3.80	3.04	64.2	89.0	44.6	29.9
Mizoram	2.30	2.89	2.86	2.27	14.6	37.0	34.1	40.1
Nagaland	3.26	3.77	3.74	2.74	17.2	42.1	38.3	29.5
Sikkim	-	2.75	2.02	1.17	-	43.9	33.7	29.5
Tripura	2.67	1.87	2.22	1.68	75.8	44.2	51.5	26.7
Uttarakhand	-	-	2.55	2.07	-	-	41.9	39.7
A&N Islands	-	-	-	1.44	-	-	-	9.8
Chandigarh	-	-	-	1.57	-	-	-	38.3
Dadra & Nagar Haveli	-	-	-	2.32	-	-	-	33.0
Daman & Diu	-	-	-	1.68	-	-	-	34.4
Lakshadweep	-	-	-	1.82	-	-	-	26.9
Puducherry	-	-	-	1.70	-	-	-	15.7

Data in respect of J & K for NFHS-1 corresponds to Jammu region of J & K

Source- NFHS Reports/Factsheets

Some of the major findings from National Family Health Survey (NFHS)

contd:-

State/union territory	Current use of contraceptive method - Any modern method(%)				Percentage delivered in health facility			
	NFHS-1	NFHS-2	NFHS-3	NFHS-4	NFHS-1	NFHS-2	NFHS-3	NFHS-4
India	36.3	42.8	48.5	47.7	25.5	33.6	38.7	78.9
Andhra Pradesh	46.5	58.9	67.0	69.4	32.8	49.8	64.4	91.5
Assam	19.8	26.6	27.0	37.0	11.1	17.6	22.4	70.6
Bihar	21.6	22.4	28.9	23.2	12.1	14.6	19.9	63.8
Chattisgarh	-	-	49.1	54.5	-	-	14.3	70.2
Gujarat	46.9	53.3	56.5	43.1	35.6	46.3	52.7	88.7
Haryana	44.3	53.2	58.3	59.4	16.7	22.4	35.7	80.4
Jharkhand	-	-	31.1	37.4	-	-	18.3	61.9
Karnataka	47.3	56.5	62.5	51.3	37.5	51.1	64.7	94.3
Kerala	54.4	56.1	57.9	50.3	87.8	93.0	99.3	99.9
Madhya Pradesh	35.5	42.6	52.8	49.5	15.9	20.1	26.2	80.8
Maharashtra	52.5	59.9	64.9	62.5	43.9	52.6	64.6	90.3
Odisha	34.6	40.3	44.7	45.4	14.1	22.6	35.6	85.4
Punjab	51.3	53.8	56.1	66.3	24.8	37.5	51.3	90.5
Rajasthan	30.9	38.1	44.4	53.5	11.6	21.5	29.6	84.0
Tamil Nadu	45.2	50.3	60.0	52.6	63.4	79.3	87.8	98.9
Telangana	-	-	-	56.9	-	-	-	91.5
Uttar Pradesh	18.5	22.0	29.3	31.7	11.2	15.5	20.6	67.8
West Bengal	37.3	47.3	49.9	57.0	31.5	40.1	42.0	75.2
Arunachal Pradesh	19.3	32.8	37.3	26.6	19.9	31.2	28.5	52.3
Delhi	54.6	56.3	56.5	48.6	44.3	59.1	58.9	84.4
Goa	37.9	35.9	37.2	24.8	86.8	90.8	92.3	96.9
Himachal Pradesh	54.4	60.8	71.0	52.0	16.0	28.9	43.0	76.4
Jammu & Kashmir [#]	39.7	41.7	44.9	46.0	21.9	35.6	50.2	85.6
Manipur	24.1	25.9	23.6	12.7	23.0	34.5	45.9	69.1
Meghalaya	15.1	15.5	18.5	21.9	29.6	17.3	29.0	51.3
Mizoram	52.9	57.1	59.6	35.2	48.9	57.7	59.8	80.1
Nagaland	13.0	24.2	22.5	21.2	6.0	12.1	11.6	32.8
Sikkim	-	41.4	48.7	45.9	-	31.5	47.2	94.7
Tripura	28.6	43.5	44.9	42.8	30.7	45.2	46.9	79.9
Uttarakhand	-	-	55.5	49.3	-	-	32.6	68.6
A&N Islands	-	-	-	48.0	-	-	-	96.4
Chandigarh	-	-	-	58.2	-	-	-	91.6
Dadra & Nagar Haveli	-	-	-	37.9	-	-	-	88.0
Daman & Diu	-	-	-	31.6	-	-	-	90.1
Lakshadweep	-	-	-	15.7	-	-	-	99.3
Puducherry	-	-	-	61.2	-	-	-	99.9

[#] Data in respect of J & K for NFHS-1 corresponds to Jammu region of J & K
Source- NFHS Reports/Factsheets

Some of the major findings from National Family Health Survey (NFHS) contd:-

State/union territory	Children age 12-23 months fully immunized (%)			
	NFHS-1	NFHS-2	NFHS-3	NFHS-4
India	35.4	42.0	43.5	62.0
Andhra Pradesh*	45.0	58.7	46.0	65.2
Assam	19.4	17.0	31.4	47.1
Bihar	10.7	11.0	32.8	61.7
Chattisgarh	-	-	48.7	76.4
Gujarat	49.8	53.0	45.2	50.4
Haryana	53.5	62.7	65.3	62.2
Jharkhand	-	-	34.2	61.9
Karnataka	52.2	60.0	55.0	62.6
Kerala	54.4	79.7	75.3	82.1
Madhya Pradesh	29.2	22.4	40.3	53.6
Maharashtra	64.1	78.4	58.8	56.2
Odisha	36.1	43.7	51.8	78.6
Punjab	61.9	72.1	60.1	89.0
Rajasthan	21.1	17.3	26.5	54.8
Tamil Nadu	64.9	88.8	80.9	69.7
Telangana	-	-	-	67.5
Uttar Pradesh	19.8	21.2	23.0	51.1
West Bengal	34.2	43.8	64.3	84.4
Arunachal Pradesh	22.5	20.5	28.4	38.2
Delhi	57.8	69.8	63.2	68.8
Goa	74.9	82.6	78.6	88.4
Himachal Pradesh	62.9	83.4	74.2	69.5
Jammu & Kashmir#	65.7	56.7	66.7	75.1
Manipur	29.1	42.3	46.8	65.8
Meghalaya	9.7	14.3	32.9	61.4
Mizoram	56.4	59.6	46.5	50.7
Nagaland	3.8	14.1	21.0	35.4
Sikkim	-	47.4	69.6	83.0
Tripura	19.0	40.7	49.7	54.5
Uttarakhand	-	-	60.0	57.6
A&N Islands	-	-	-	73.2
Chandigarh	-	-	-	(79.5)
Dadra & Nagar Haveli	-	-	-	43.2
Daman & Diu	-	-	-	66.3
Lakshadweep	-	-	-	89.0
Puducherry	-	-	-	91.2

Data in respect of J & K for NFHS-1 corresponds to Jammu region of J & K

() Based on 25-49 unweighted cases

Source- NFHS Reports/Factsheets

Some of the major findings from National Family Health Survey (NFHS) contd:-

State/union territory	Children under 5 years who are stunted (height-for-age--percentage below -2SD ²) (%)				Children under 5 years who are wasted (weight-for-height --percentage below -2SD ²) (%)				Children under 5 years who are underweight (weight for age-- percentage below -2SD ²) (%)			
	NFHS-1	NFHS-2	NFHS-3	NFHS-4	NFHS-1	NFHS-2	NFHS-3	NFHS-4	NFHS-1	NFHS-2	NFHS-3	NFHS-4
India	52	45.5	48.0	38.4	17.5	15.5	19.8	21.0	53.4	47	42.5	35.7
Andhra Pradesh	-	38.6	42.7	31.4	-	9.1	12.2	17.2	49.1	37.7	32.5	31.9
Assam	52.2	50.2	46.5	36.4	10.8	13.3	13.7	17.0	50.4	36	36.4	29.8
Bihar	60.9	53.7	55.6	48.3	21.8	21.0	27.1	20.8	62.6	54.4	55.9	43.9
Chattisgarh	-	-	52.9	37.6	-	-	19.5	23.1	-	-	47.1	37.7
Gujarat	48.2	43.6	51.7	38.5	18.9	16.2	18.7	26.4	50.1	45.1	44.6	39.3
Haryana	46.7	50.0	45.7	34.0	5.9	5.3	19.1	21.2	37.9	34.6	39.6	29.4
Jharkhand	-	-	49.8	45.3	-	-	32.3	29.0	-	-	56.5	47.8
Karnataka	47.6	36.6	43.7	36.2	17.4	20.0	17.6	26.1	54.3	43.9	37.6	35.2
Kerala	27.4	21.9	24.5	19.7	11.6	11.1	15.9	15.7	28.5	26.9	22.9	16.1
Madhya Pradesh	-	51.0	50.0	42.0	-	19.8	35.0	25.8	57.4	55.1	60.0	42.8
Maharashtra	48.5	39.9	46.3	34.4	20.2	21.2	16.5	25.6	54.2	49.6	37.0	36.0
Odisha	48.2	44.0	45.0	34.1	21.3	24.3	19.5	20.4	53.3	54.4	40.7	34.4
Punjab	40.0	39.2	36.7	25.7	19.9	7.1	9.2	15.6	45.9	28.7	24.9	21.6
Rajasthan	43.1	52.0	43.7	39.1	19.5	11.7	20.4	23.0	41.6	50.6	39.9	36.7
Tamil Nadu	-	29.4	30.9	27.1	-	19.9	22.2	19.7	48.2	36.7	29.8	23.8
Telangana	-	-	-	28.0	-	-	-	18	-	-	-	28.3
Uttar Pradesh	59.5	55.5	56.8	46.2	16.1	11.1	14.8	17.9	59	51.7	42.4	39.5
West Bengal	U	41.5	44.6	32.5	-	13.6	16.9	20.3	56.8	48.7	38.7	31.5
Arunachal Pradesh	53.9	26.5	43.3	29.3	11.2	7.9	15.3	17.3	39.7	24.3	32.5	19.5
Delhi	43.2	36.8	42.2	31.9	11.9	12.5	15.4	15.9	41.6	34.7	26.1	27.0
Goa	32.5	18.1	25.6	20.1	15.3	13.1	14.1	21.9	35	28.6	25.0	23.8
Himachal Pradesh	-	41.3	38.6	26.3	-	16.9	19.3	13.7	47	43.6	36.5	21.2
Jammu & Kashmir [#]	40.8	38.8	35.0	27.4	14.8	11.8	14.8	12.1	44.5	34.5	25.6	16.6
Manipur	33.6	31.3	35.6	28.9	8.8	8.2	9.0	6.8	30.1	27.5	22.1	13.8
Meghalaya	50.8	44.9	55.1	43.8	18.9	13.3	30.7	15.3	45.5	37.9	48.8	28.9
Mizoram	41.3	34.6	39.8	28.1	2.2	10.2	9.0	6.1	28.1	27.7	19.9	12.0
Nagaland	32.4	33.0	38.8	28.6	12.7	10.4	13.3	11.2	28.7	24.1	25.2	16.7
Sikkim	-	31.7	38.3	29.6	-	4.8	9.7	14.2	-	20.6	19.7	14.2
Tripura	46.0	40.4	35.7	24.3	17.5	13.1	24.6	16.8	48.8	42.6	39.6	24.1
Uttarakhand	-	-	44.4	33.5	-	-	18.8	19.5	-	-	38.0	26.6
A&N Islands	-	-	-	23.3	-	-	-	18.9	-	-	-	21.5
Chandigarh	-	-	-	28.7	-	-	-	10.9	-	-	-	24.5
Dadra & Nagar Haveli	-	-	-	41.7	-	-	-	27.6	-	-	-	38.8
Daman & Diu	-	-	-	23.4	-	-	-	24.1	-	-	-	26.7
Lakshadweep	-	-	-	26.8	-	-	-	13.7	-	-	-	23.6
Puducherry	-	-	-	23.7	-	-	-	23.6	-	-	-	22.0

[#] Data in respect of J & K for NFHS-1 corresponds to Jammu region of J & K

² Includes children who are below -3 standard deviations (SD) from the International Reference Population median

Source- NFHS Reports/Factsheets

Some of the major findings from Annual Health Survey (AHS)

State	IMR			TFR			Institutional delivery (%)			Children aged 12-23 months Fully Immunized (%)			Any Modern Method (%)			Nutritional status -below 5 years (CAB Survey 2014)		
	AHS-2010-11	AHS-2011-12	AHS-2012-13	AHS-2010-11	AHS-2011-12	AHS-2012-13	AHS-2010-11	AHS-2011-12	AHS-2012-13	AHS-2010-11	AHS-2011-12	AHS-2012-13	AHS-2010-11	AHS-2011-12	AHS-2012-13	Stunting (Height-for-Age)% [Below -2SD]	Wasting (Weight-for-Height)% [Below -2SD]	Under weight (Weight-for-Age)% [Below -2SD]
Assam	60	57	55	2.6	2.4	2.4	57.7	60.8	65.9	59.0	61.4	64.4	35.7	37.9	38.1	37.4	20.2	30.8
Bihar	55	52	48	3.7	3.6	3.5	47.7	51.9	55.4	64.5	65.6	69.9	33.9	38.2	36.5	52.0	19.2	40.3
Chhattisgarh	53	50	46	2.9	2.8	2.7	34.9	40.4	39.5	74.1	74.1	74.9	49.5	55.4	57.2	34.7	32.4	39.4
Jharkhand	41	38	36	3.1	2.9	2.7	37.6	41.2	46.2	63.7	69.1	69.9	38.0	43.9	43.7	50.5	21.3	45.7
Madhya Pradesh	67	65	62	3.1	3.1	3.0	76.1	79.7	82.6	54.9	59.7	66.4	57.0	59.3	59.4	51.5	17.3	40.6
Odisha	62	59	56	2.3	2.3	2.2	71.3	77.7	80.8	55.0	62.3	68.8	44.0	46.8	46.3	41.5	20.2	38.9
Rajasthan	60	57	55	3.2	3.1	2.9	70.2	74.4	78.0	70.8	69.2	74.2	58.8	59.4	62.4	44.0	22.5	36.6
Uttar Pradesh	71	70	68	3.6	3.4	3.3	45.6	51.7	56.7	45.3	48.1	52.7	31.8	37.3	37.6	62.0	15.9	44.9
Uttarakhand	43	41	40	2.3	2.1	2.1	50.5	54.6	58.3	75.4	77.9	79.6	55.4	54.1	54.3	40.2	14.7	28.0

Source- AHS Factsheets

Following are different programme and schemes undertaken to improve Healthcare in rural and urban areas of the country, State/UT-wise:

The National Health Mission (NHM) envisages achievement of universal access to equitable, affordable & quality health care services that are accountable and responsive to people's needs. NHM encompasses its two Sub-Missions, the National Rural Health Mission (NRHM) and the National Urban Health Mission (NUHM). The main programmatic components include Health System Strengthening in rural and urban areas, Reproductive-Maternal- Neonatal-Child and Adolescent Health (RMNCH+A), and Communicable and Non-Communicable Diseases.

Under the NHM, technical and financial support is provided to States / UTs for strengthening their healthcare systems including support for engagement or in-sourcing of health manpower on contractual basis, provision of free drugs, diagnostics, ambulances, Mobile Medical Units etc., based on the requirements posed by the States/UTs in their Programme Implementation Plans (PIPs) within their overall resource envelope.

This includes support for provision of a host of free services including for maternal health, child health, adolescent health, family planning, universal immunisation programme, and for major diseases such as Tuberculosis, HIV/ AIDS, vector borne diseases such as Malaria, Dengue and Kala Azar, Leprosy etc. Other major initiatives for which states are being supported include Janani Shishu Suraksha Karyakram (JSSK), Rashtriya Bal Swasthya Karyakram (RBSK), Rashtriya Kishor Swasthya Karyakram (RKSK), implementation of NHM Free Drugs and Free Diagnostics Service Initiatives, Pradhan Mantri Jan Arogya Yojana, Pradhan Mantri National Dialysis Programme, Pradhan Mantri Surakshit Matritva Abhiyan, Mother's Absolute Affection (MAA) Programme, free patient emergency transport and implementation of National Quality Assurance Framework. The Government has also rolled out universal screening for women and men aged 30 years and above for common Non-Communicable diseases–Hypertension, Diabetes, and Cancer of the breast, cervix and oral.

Some more programme /Scheme for targeting improvement of nutritional status are as under:

Provision of Vitamin A supplementation (VAS) for under-five children, Village Health and Nutrition Days and Mother and Child Protection Card for addressing the nutrition concerns in children, pregnant women and lactating mothers,

National Iron Plus Initiative for supplementation and treatment of anaemia in children, adolescents, pregnant and lactating women,

National Deworming Day to administer Albendazole tablets to all the children in the age group of 1-19 years & pregnant women,

Intensified Diarrhea Control Fortnight (IDCF) annually to control childhood diarrhea,

Incentive to Accredited Social Health Activist (ASHA) works for nutrition related activities under National Health Mission (NHM).

Promotion for intake of iodized salt and monitoring salt quality,

Provision of Iron and Folic acid supplementation to pregnant/anaemic women,

Calcium Supplementation to pregnant women,

Insecticidal nets for prevention of malaria in Malaria endemic regions,

Booklets to school children in all States/UTs containing, inter alia, useful information on the importance & intake of balanced nutrition

The National Food Security ACT, 2013 aims to provide for food and nutritional security in human life cycle approach, by ensuring access to adequate quantity of quality food at affordable prices to people to live a life with dignity.

Food Safety and Standards Authority of India has formulated Standards for Fortification of five items (Wheat Flour, Rice, Milk, Oil and Salt) of food with Micronutrients: -

Other schemes under different Ministries of Government of India, targeting improvement of nutritional status are as under: -

- i. Integrated Child Development Services Schemes (ICDS) for preschool children, Pregnant & lactating women.
- ii. Rajiv Gandhi Scheme for Empowerment of Adolescent Girls [RGSEAG] - (SABLA).
- iii. Maternity Benefit Scheme.
- iv. National Programme of Nutritional Support to Primary Education (Mid-Day Meal Programme) provides hot cooked meals to school children upto Standard VIII.
- v. Improving the purchasing power of the people through various income generating schemes including Mahatma Gandhi National Rural Employment Guarantee Scheme.
- vi. National Rural Drinking Water Programme etc.
