

## Chapter 2

# HEALTH



### **Coverage**

- Important Women related Vital Rates in India for last 4 years
- Important Vital rate in EAG States in 2012-13
- State-wise Birth Death Indicators for last 4 years
- Expectation of life at birth by sex and residence
- Infant Mortality rate for last 10 Years
- Maternal Mortality Ratio of Major States
- Fertility Indicators for last few years
- Fertility indicators by level of education of women
- Age-Specific Mortality Rate by Sex
- Percent of live births where the mothers received medical attention at delivery
- Pattern of acceptance of different family Planning Methods in India

# Health

In order to study various parameters related to women and men in a society, it is essential to assess the variability in terms of various health indicators and also to know the level of various women related health indicators. In this chapter following parameters have been examined:

- 2.1 *Important Women related Vital Rates in India for last 4 years*
- 2.2 *Important Vital Rates in EAG States: 2012-13*
- 2.3 *State-wise Birth Death Indicators for last 4 years*
- 2.4 *Expectation of life at birth by sex and residence*
- 2.5 *Infant Mortality Rate for last 10 Years*
- 2.6 *Maternal Mortality Ratio of Major States*
- 2.7 *Fertility indicators for last few years*
- 2.8 *Fertility indicators by level of education of women, 2013*
- 2.9 *Age-Specific Mortality Rate by Sex*
- 2.10 *Percent of live births where the mothers received medical attention at delivery*
- 2.11 *Pattern of Acceptance of Different Family Planning Methods in India*
- 2.12 *Sex-wise Age-groupwise ailments*
- 2.13 *Percent persons hospitalised*
- 2.14 *Average total Medical treatment for non-hospitalised treatment*
- 2.15 *Percent distribution of spells of treatment over levels of care*

## **Crude Birth Rate (CBR), General Fertility Rate (GFR) and Total fertility Rate (TFR)**

Crude Birth Rate and General Fertility Rate (GFR) have reduced from 21.6 in 2012 to 21.4 in 2013 and 80.3 to 78.5 respectively. Total fertility Rate (TFR) has been gradually declining and has reached 2.3 in 2013. TFR is more for illiterate women both in rural and urban area but more of rural illiterate women and statistics reveal that increase in educational level lowers the TFR(details may be seen in Tables 2.1 and 2.2).

## **Age-Specific Fertility Rate (ASFR)**

The age-specific fertility rate was the highest(194.3) for women in the age-group 20-24 years followed by age-group 25-29 years (149.7) and 30-34 years(63.9). The fertility rates for the rural India are still higher as compared to urban India (details in Table 2.1).

## **Mortality Rate**

The mortality rate is the lowest in the age-group 10-14 years which is equal for males as well as for females at 0.6. The mortality rate among females across all ages was 6.4 and that among males was 7.5 in the year 2013 (details be seen in Table 2.9).

## **Infant Mortality Rate (IMR)**

The female Infant Mortality Rate (IMR) was 42 compared with the male IMR of 39 and the overall IMR of 40 in 2013. IMR has reduced substantially from 60 in 2003 to 40 in 2013, indicating improvement in health mechanism for infants. Among the major States, the highest overall IMR of 54 was observed in Assam and Madhya Pradesh and the lowest of 9 in Goa in 2013 (details in Tables 2.3 and 2.5).

## **Maternal Mortality Ratio**

The Maternal Mortality Ratio has gone down to 167 in 2011-13 from 301 in 2001-03, about 45 % decline. Among the States, decline is more than 50% in Maharashtra and Andhra Pradesh whereas least in Punjab & Haryana (around 21-22%) (for details, refer Table 2.6).

## **Live Births**

Although percentage of live births with medical attention have increased both in rural and urban area but rural part is still lagging behind at 69.7% against 92.1% in urban India. Jharkhand records only 45.3% medically attended deliveries in Rural area and Uttar Pradesh 76% in Urban area (details in Table 2.10).

## 2.1 Important Women related Vital Rates in India for last 4 years

Indicators	2010			2011			2012			2013		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
<b>Fertility indicators</b>												
Crude birth rate	22.1	23.7	18.0	21.8	23.3	17.6	21.6	23.1	17.4	21.4	22.9	17.3
General fertility rate	83.9	91.9	64.0	81.2	88.9	62.0	80.3	87.6	61.5	78.5	85.5	60.5
<b>Age-specific Fertility rate</b>												
15 - 19	37.2	43.1	19.6	30.7	35.3	16.5	31.5	36.3	16.7	28.1	31.7	16.5
20 - 24	198.6	218.5	147.3	196.7	216.8	143.8	191.9	210.6	140.4	194.3	212.8	142.2
25 - 29	156.8	167.5	132.9	153.4	163.7	129.6	154.6	164.8	131.4	149.7	159.9	125.6
30 - 34	66.0	70.1	56.2	69.8	74.6	58.8	64.5	68.3	55.6	63.9	66.8	57.1
35 - 39	29.7	34.5	18.1	26.4	30.2	16.8	23.9	27.5	15.4	22.0	24.4	15.8
40 - 44	9.3	11.6	3.8	8.7	10.9	3.6	8.2	10.1	3.7	7.4	9.2	3.2
45 - 49	3.9	5.2	1.0	2.8	3.6	1.0	2.2	2.8	0.8	2.0	2.4	1.1
Total fertility rate	2.5	2.8	1.9	2.4	2.7	1.9	2.4	2.6	1.8	2.3	2.5	1.8
Gross reproduction rate	1.2	1.3	0.9	1.2	1.3	0.9	1.1	1.2	0.8	1.1	1.2	0.8
General marital fertility rate	117.3	126.6	93.0	114.4	123.7	90.0	114.0	122.9	90.2	112.5	121.3	89.1
Total marital Fertility rate	4.4	4.5	3.8	4.3	4.4	3.8	4.4	4.5	3.9	4.4	4.5	4.2
Mean age at effective marriage for females	21.0	20.5	22.4	21.2	20.7	22.7	21.2	20.8	22.4	21.3	21	22.5
<b>Total fertility rate by level of education of the mother</b>												
Illiterate	3.4	3.5	2.7	3.3	3.4	2.5	3.2	3.3	2.4	3.1	3.2	2.5
Literate	2.2	2.4	1.8	2.1	2.3	1.8	2.1	2.3	1.7	2.1	2.3	1.7
Without any formal education	3.6	3.8	3	3.1	3.2	2.9	3.1	3.2	2.9	3.2	3.3	2.7
Below primary	3.0	3.2	2.4	3.0	3.2	2.3	2.9	3	2.4	2.8	2.9	2.4
Primary	2.5	2.7	2.1	2.5	2.7	2.2	2.5	2.6	2.2	2.5	2.6	2
Middle	2.2	2.3	1.9	2.2	2.3	1.9	2.2	2.3	1.9	2.2	2.3	1.8
Class X	1.9	2.0	1.7	1.8	1.9	1.6	1.8	1.9	1.6	1.8	2.0	1.6
Class XII	1.6	1.8	1.4	1.5	1.7	1.3	1.6	1.7	1.4	1.6	1.7	1.4
Graduate and above	1.8	2.0	1.6	1.6	1.8	1.5	1.7	1.9	1.6	1.7	1.8	1.6
<b>Percentage distribution of live births by birth order</b>												
1	41.5	39.5	48.6	41.0	39.5	46.6	43.2	41.6	48.9	43.6	42.1	48.7
2	30.5	30.1	31.9	31.4	30.8	33.5	31.4	30.8	33.5	32.4	31.8	34.8
3	14.3	15.1	11.5	14.6	15.4	11.8	13.8	14.6	11.0	13.5	14.4	10.3
4+	13.7	15.3	8.0	13.0	14.3	8.0	11.6	13.0	6.6	10.5	11.7	6.1
<b>Percentage distribution of current live births by</b>												
10 to 12	1.6	1.6	1.2	1.7	1.7	1.4	1.5	1.6	1.1	1.8	1.9	1.2
12 to 18	10.4	10.5	9.8	10.8	11.1	9.6	11.0	11.4	9.1	11.6	12.1	9.6
18 to 24	15.9	16.3	14.1	15.0	15.6	12.5	15.6	16.4	12.5	16.5	17	14.1
24 to 30	18.7	19.4	15.9	18.0	18.7	14.9	17.9	18.6	14.9	17.6	18.2	15.1
30 to 36	12.3	12.7	10.6	12.2	12.6	10.4	11.5	11.7	10.4	11.9	12	11.3
36+	41.2	39.5	48.4	42.4	40.2	51.2	42.6	40.3	51.9	40.7	38.8	48.8
<b>Mortality indicators</b>												
Crude death rate	7.2	7.7	5.8	7.1	7.6	5.7	7.0	7.6	5.6	7.0	7.5	5.6
Percentage of infant deaths to total deaths	14.5	15.8	9.7	13.6	14.8	9.0	13.0	14.2	8.6	12.4	13.5	8.4
% deaths of less than one week to total infant deaths	53.9	54.6	49.6	54.1	55.6	45.0	53.3	55.0	42.9	53.5	55.5	41.6
Under-five Mortality Rate	59.0	66.0	38.0	55.0	61.0	35.0	52.0	58.0	32.0	49.0	55.0	29.0
Infant mortality rate	47.0	51.0	31.0	44.0	48.0	29.0	42.0	46.0	28.0	40.0	44.0	27.0
Neo-natal mortality rate	33.0	36.0	19.0	31.0	34.0	17.0	29.0	33.0	16.0	28.0	31.0	15.0
Early neo-natal mortality rate	25.0	28.0	15.0	24.0	27.0	13.0	23.0	25.0	12.0	22.0	25.0	11.0
Late neo-natal mortality rate	7.0	8.0	4.0	7.0	7.0	4.0	6.0	7.0	4.0	6.0	6.0	4.0
Post neo-natal mortality rate	14.0	15.0	12.0	14.0	14.0	12.0	13.0	14.0	12.0	13.0	13.0	12.0
Peri-natal mortality rate	32.0	35.0	22.0	30.0	32.0	19.0	28.0	31.0	17.0	26.0	28.0	16.0
Still birth rate	7.0	7.0	7.0	6.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	5.0
<b>Percentage distribution of births by type of medical attention at delivery</b>												
Government Hospital	41.1	38.4	50.8	45.2	43.2	52.4	49.3	47.7	54.9	50.0	48.8	55.0
Private Hospital	19.4	15.5	33.4	21.4	17.5	35.5	23.8	20.2	37.1	24.4	20.9	37.1
Qualified Professional	15.0	16.2	10.8	13.7	15.1	9	12.4	13.8	7.5	12.7	14.4	6.1
Untrained Functionary and others	24.5	30.0	5.1	19.6	24.2	3.1	16.6	20.4	2.8	12.9	15.9	1.7
<b>Percentage distribution of deaths by type of medical attention before death</b>												
Government Hospital	21.5	19.3	29.4	21.7	19.5	29.7	22.0	19.8	29.9	25.1	23.2	32.1
Private Hospital	12.4	10.4	19.5	12.5	10.5	19.6	12.6	10.6	19.7	14.1	12.1	21.4
Qualified Professional	37.9	38.7	35.0	37.8	38.6	35.1	37.7	38.4	35.0	36.6	37.2	34.1
Untrained Functionary and others	28.2	31.6	16.0	28.1	31.5	15.6	27.8	31.2	15.3	24.2	27.4	12.4

## 2.2 Important Vital Rates in EAG States: 2012-13

Crude Birth Rates	State	Rural	Urban
	Assam	22.2	16.4
	Bihar	26.9	20.4
	Chhattisgarh	24.1	19.8
	Jharkhand	24.3	19.4
	Madhya Pradesh	26.7	19.8
	Odisha	20.0	17.4
	Rajasthan	25.2	20.8
	Uttarakhand	18.9	15.9
	Uttar Pradesh	26.4	19.6

Crude Death Rates	State	Rural			Urban			Total		
		Female	Male	Total	Female	Male	Total	Female	Male	Total
	Assam	6.4	8.4	7.4	4.3	6.4	5.3	6.1	8.0	7.0
	Bihar	6.9	7.1	7.0	5.6	5.8	5.7	6.7	6.9	6.8
	Chhattisgarh	7.2	8.1	7.7	4.9	6.7	5.8	6.7	7.8	7.3
	Jharkhand	5.7	6.4	6.0	4.3	5.3	4.8	5.3	6.1	5.7
	Madhya Pradesh	8.0	8.9	8.5	5.5	6.7	6.1	7.2	8.2	7.7
	Odisha	7.9	9.1	8.5	5.7	7.0	6.4	7.5	8.7	8.1
	Rajasthan	6.1	7.3	6.7	4.9	5.9	5.4	5.8	7.0	6.4
	Uttarakhand	5.4	8.0	6.7	4.9	6.2	5.6	5.3	7.5	6.4
Uttar Pradesh	8.4	9.2	8.8	6.3	7.1	6.7	7.9	8.7	8.3	

Infant Mortality Rates	State	Rural			Urban			Total		
		Female	Male	Total	Female	Male	Total	Female	Male	Total
	Assam	60	59	59	32	30	31	56	55	55
	Bihar	50	48	49	43	40	41	49	47	48
	Chhattisgarh	52	45	48	36	32	34	49	43	46
	Jharkhand	41	40	40	23	21	22	37	36	36
	Madhya Pradesh	71	66	68	48	45	47	65	60	62
	Odisha	62	56	59	39	36	37	59	53	56
	Rajasthan	64	55	59	42	35	38	60	51	55
	Uttarakhand	43	42	42	32	31	31	40	39	40
Uttar Pradesh	73	71	72	52	50	51	69	67	68	

Under five Mortality Rate (U5MR)	State	Rural			Urban			Total		
		Female	Male	Total	Female	Male	Total	Female	Male	Total
	Assam	78	77	77	39	34	36	72	71	71
	Bihar	75	69	72	54	49	51	73	67	70
	Chhattisgarh	69	62	65	42	38	40	63	58	60
	Jharkhand	58	56	57	31	27	29	52	49	51
	Madhya Pradesh	96	90	93	59	55	57	86	80	83
	Odisha	82	77	80	50	47	48	78	73	75
	Rajasthan	87	75	81	59	45	52	81	68	74
	Uttarakhand	54	50	52	37	38	37	49	47	48
Uttar Pradesh	102	92	97	66	60	63	95	86	90	

Source: Annual Health Survey (AHS) 2nd Updation Bulletins 2012-13

EAG States: Empowered Action Group States : 8 States (Bihar, Chhattisgarh, Jharkhand, Madhya Pradesh, Odisha, Rajasthan, Uttar Pradesh and Uttarakhand) alongwith Assam account for about 48 percent of the total population in the country, are the high focus States in view of their relatively higher fertility and mortality indicators.

### 2.3 State-wise Birth Death Indicators for last 4 years

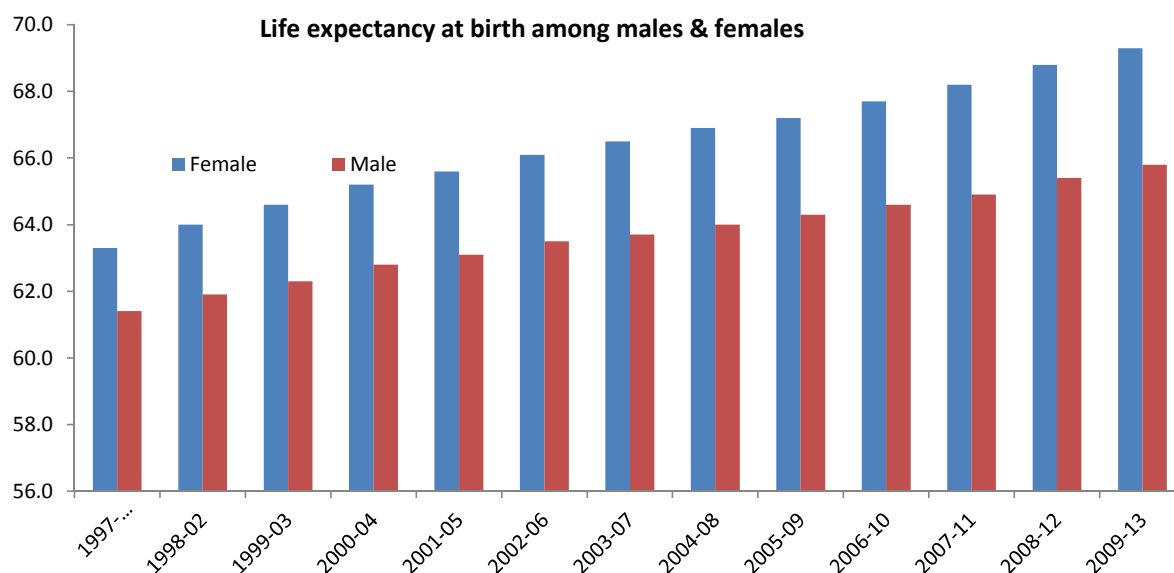
State	CBR				CDR				IMR			
	2010	2011	2012	2013	2010	2011	2012	2013	2010	2011	2012	2013
Andaman & Nicobar Islands	15.6	15.1	15	14.6	4.3	4.6	4.6	4.6	25	23	24	24
Andhra Pradesh	17.9	17.5	17.5	17.4	7.6	7.5	7.4	7.3	46	43	41	39
Arunachal Pradesh	20.5	19.8	19.4	19.3	5.9	5.8	5.8	5.8	31	32	33	32
Assam	23.2	22.8	22.5	22.4	8.2	8	7.9	7.8	58	55	55	54
Bihar	28.1	27.7	27.7	27.6	6.8	6.7	6.6	6.6	48	44	43	42
Chandigarh	15.6	15.0	14.8	14.7	3.9	4.1	4.0	4.0	22	20	20	21
Chhattisgarh	25.3	24.9	24.5	24.4	8.0	7.9	7.9	7.9	51	48	47	46
D & N Haveli	26.6	26.1	25.6	25.5	4.7	4.6	4.5	4.4	38	35	33	31
Daman & Diu	18.8	18.4	18.1	17.9	4.9	4.9	4.8	4.9	23	22	22	20
Delhi	17.8	17.5	17.3	17.2	4.2	4.3	4.2	4.1	30	28	25	24
Goa	13.2	13.3	13.1	13.0	6.6	6.7	6.6	6.6	10	11	10	9
Gujarat	21.8	21.3	21.1	20.8	6.7	6.7	6.6	6.5	44	41	38	36
Haryana	22.3	21.8	21.6	21.3	6.6	6.5	6.4	6.3	48	44	42	41
Himachal Pradesh	16.9	16.5	16.2	16.0	6.9	6.7	6.7	6.7	40	38	36	35
Jammu and Kashmir	18.3	17.8	17.6	17.5	5.7	5.5	5.4	5.3	43	41	39	37
Jharkhand	25.3	25.0	24.7	24.6	7.0	6.9	6.8	6.8	42	39	38	37
Karnataka	19.2	18.8	18.5	18.3	7.1	7.1	7.1	7.0	38	35	32	31
Kerala	14.8	15.2	14.9	14.7	7.0	7.0	6.9	6.9	13	12	12	12
Lakshadweep	14.3	14.7	14.8	14.8	6.4	6.4	6.4	6.3	25	24	22	24
Madhya Pradesh	27.3	26.9	26.6	26.3	8.3	8.2	8.1	8.0	62	59	56	54
Maharashtra	17.1	16.7	16.6	16.5	6.5	6.3	6.3	6.2	28	25	25	24
Manipur	14.9	14.4	14.6	14.7	4.2	4.1	4.0	4.0	14	11	10	10
Meghalaya	24.5	24.1	24.1	23.9	7.9	7.8	7.6	7.6	55	52	49	47
Mizoram	17.1	16.6	16.3	16.1	4.5	4.4	4.4	4.3	37	34	35	35
Nagaland	16.8	16.1	15.6	15.4	3.6	3.3	3.2	3.1	23	21	18	18
Odisha	20.5	20.1	19.9	19.6	8.6	8.5	8.5	8.4	61	57	53	51
Pudducherry	16.7	16.1	15.8	15.7	7.4	7.2	7.1	7.0	22	19	17	17
Punjab	16.6	16.2	15.9	15.7	7.0	6.8	6.8	6.7	34	30	28	26
Rajasthan	26.7	26.2	25.9	25.6	6.7	6.7	6.6	6.5	55	52	49	47
Sikkim	17.8	17.6	17.2	17.1	5.6	5.6	5.4	5.2	30	26	24	22
Tamil Nadu	15.9	15.9	15.7	15.6	7.6	7.4	7.4	7.3	24	22	21	21
Tripura	14.9	14.3	13.9	13.7	5.0	5.0	4.8	4.7	27	29	28	26
Uttar Pradesh	28.3	27.8	27.4	27.2	8.1	7.9	7.7	7.7	61	57	53	50
Uttarakhand	19.3	18.9	18.5	18.2	6.3	6.2	6.1	6.1	38	36	34	32
West Bengal	16.8	16.3	16.1	16.0	6.0	6.2	6.3	6.4	31	32	32	31
<b>All India</b>	<b>22.1</b>	<b>21.8</b>	<b>21.6</b>	<b>21.4</b>	<b>7.2</b>	<b>7.1</b>	<b>7.0</b>	<b>7.0</b>	<b>47</b>	<b>44</b>	<b>42</b>	<b>40</b>

Source: SRS, September 2014

## 2.4 Expectation of life at birth by sex and residence

Period	Rural			Urban			Total		
	Female	Male	Total	Female	Male	Total	Female	Male	Total
1990-94	58.7	58.2	58.6	66.7	64.1	65.4	60.4	59.4	60.0
1991-95	59.3	58.5	58.9	67.3	64.5	65.9	60.9	59.7	60.3
1992-96	59.8	58.9	59.4	67.7	64.9	66.3	61.4	60.1	60.7
1993-97	60.2	59.3	59.9	68.0	65.1	66.6	61.8	60.4	61.1
1994-98	60.5	59.5	60.1	68.2	65.3	66.8	62.2	60.6	61.4
1995-99#	60.9	59.7	60.3	67.9	65.1	66.4	62.3	60.8	61.5
1996-00#	61.3	60.1	60.7	68.3	65.4	66.7	62.7	61.2	61.9
1997-01#	61.9	60.3	61.1	68.7	65.7	67.1	63.3	61.4	62.3
1998-02	62.5	60.7	61.6	69.2	66.1	67.6	64.0	61.9	62.9
1999-03	63.2	61.1	62.2	69.7	66.5	68.0	64.6	62.3	63.4
2000-04	63.8	61.6	62.7	70.0	66.9	68.4	65.2	62.8	63.9
2001-05	64.2	61.9	63.0	70.3	67.2	68.6	65.6	63.1	64.3
2002-06	64.7	62.3	63.5	70.6	67.4	68.9	66.1	63.5	64.7
2003-07	65.2	62.6	63.8	70.7	67.5	69.0	66.5	63.7	65.0
2004-08	65.7	62.9	64.2	70.8	67.5	69.0	66.9	64.0	65.4
2005-09	66.0	63.2	64.5	71.0	67.6	69.2	67.2	64.3	65.7
2006-10	66.5	63.5	64.9	71.4	68.0	69.6	67.7	64.6	66.1
2007-11	67.0	63.8	65.3	71.9	68.4	70.1	68.2	64.9	66.5
2008-12	67.6	64.2	65.8	72.4	69.0	70.6	68.8	65.4	67.0
2009-13	68.1	64.6	66.3	73.0	69.6	71.2	69.3	65.8	67.5

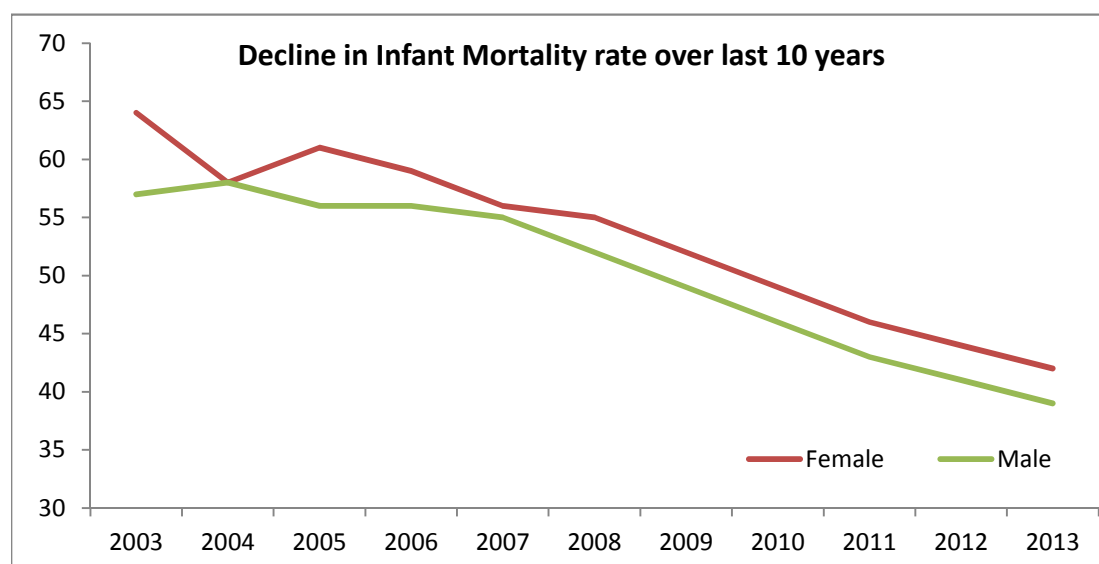
Source: Office of the Registrar General, India.  
Based on estimates from Sample Registration System.



## 2.5 Infant Mortality Rate for last 10 Years

Year	Infant Mortality Rate		
	Female	Male	Total
2003	64	57	60
2004	58	58	58
2005	61	56	58
2006	59	56	57
2007	56	55	55
2008	55	52	53
2009	52	49	50
2010	49	46	47
2011	46	43	44
2012	44	41	42
2013	42	39	40

**Source:** Sample Registration System, Office of the Registrar General, India.



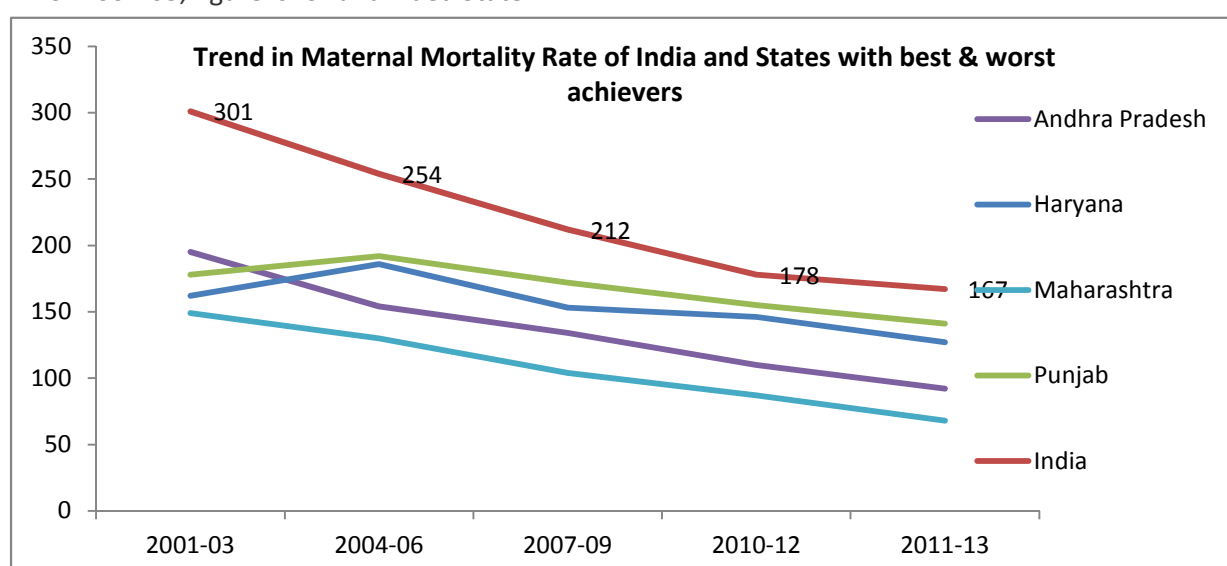
## 2.6 Maternal Mortality Ratio of Major States

State/Union Territory	2001-03	2004-06	2007-09	2010-12	2011-13
Andhra Pradesh	195	154	134	110	92
Assam	490	480	390	328	300
Bihar/Jharkhand*	371	312	261	219	208
Gujarat	172	160	148	122	112
Haryana	162	186	153	146	127
Karnataka	228	213	178	144	133
Kerala	110	95	81	66	61
Madhya Pradesh/Chhattisgarh*	379	335	269	230	221
Maharashtra	149	130	104	87	68
Odisha	358	303	258	235	222
Punjab	178	192	172	155	141
Rajasthan	445	388	318	255	244
Tamil Nadu	134	111	97	90	79
Uttar Pradesh/Uttarakhand*	517	440	359	292	285
West Bengal	194	141	145	117	113
<b>India</b>	<b>301</b>	<b>254</b>	<b>212</b>	<b>178</b>	<b>167</b>

Source: Office of the Registrar General, India.

Note: Maternal Mortality Ratio is the number of maternal deaths per 100,000 live births.

\* For 2001-03, figure is for undivided State.





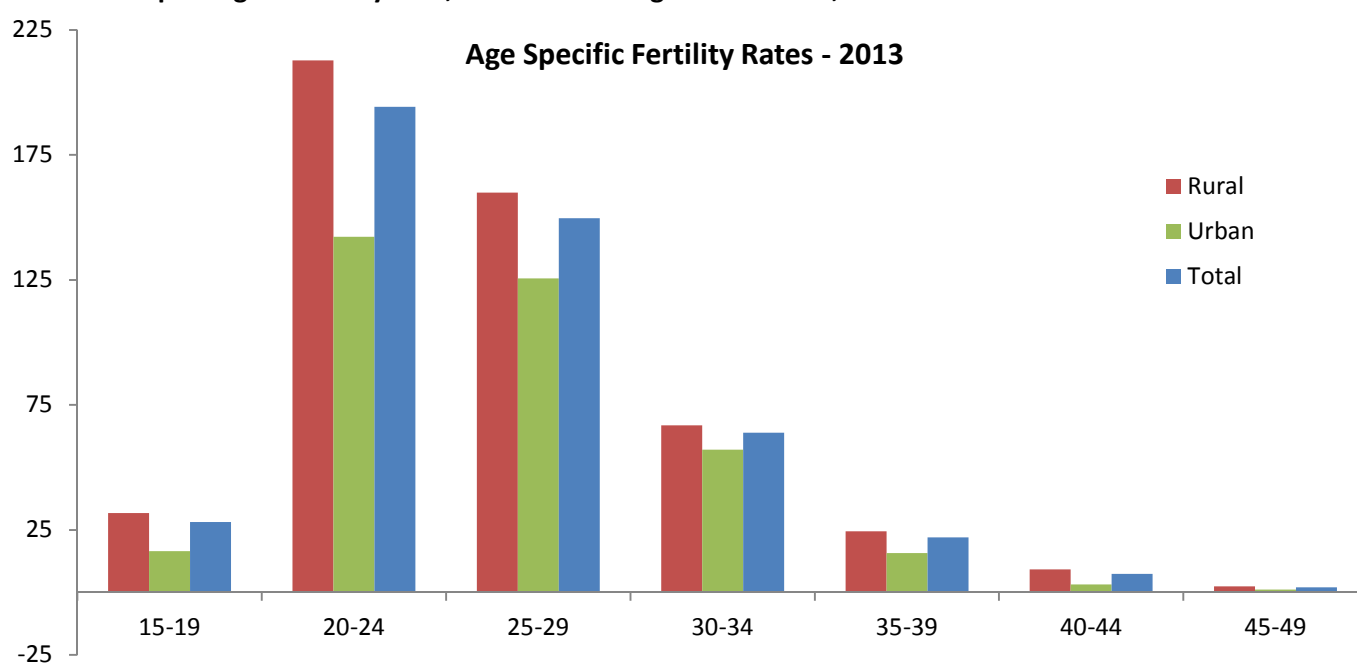
## 2.7 Fertility indicators for last few years

		2010	2011	2012	2013
Total Fertility Rate(TFR)	Total	2.5	2.4	2.4	2.3
	Rural	2.8	2.7	2.6	2.5
	Urban	1.9	1.9	1.8	1.8
General Fertility Rate(GFR)	Total	83.9	81.2	80.3	78.5
	Rural	91.9	88.9	87.6	85.5
	Urban	64.0	62.0	61.5	60.5

Age-Specific Fertility Rates	Age Group	2010	2011	2012	2013
Total	15-19	37.2	30.7	31.5	28.1
	20-24	198.6	196.7	191.9	194.3
	25-29	156.8	153.4	154.6	149.7
	30-34	66.0	69.8	64.5	63.9
	35-39	29.7	26.4	23.9	22
	40-44	9.3	8.7	8.2	7.4
	45-49	3.9	2.8	2.2	2
Rural	15-19	43.1	35.3	36.3	31.7
	20-24	218.5	216.8	210.6	212.8
	25-29	167.5	163.7	164.8	159.9
	30-34	70.1	74.6	68.3	66.8
	35-39	34.5	30.2	27.5	24.4
	40-44	11.6	10.9	10.1	9.2
	45-49	5.2	3.6	2.8	2.4
Urban	15-19	19.6	16.5	16.7	16.5
	20-24	147.3	143.8	140.4	142.2
	25-29	132.9	129.6	131.4	125.6
	30-34	56.2	58.8	55.6	57.1
	35-39	18.1	16.8	15.4	15.8
	40-44	3.8	3.6	3.7	3.2
	45-49	1.0	1.0	0.8	1.1

Source: Sample Registration System, Office of the Registrar General, India.



## 2.8 Fertility indicators by level of education of women, 2013

Indicator	Residence	Education Level								
		Illiterate	Literate							
			Total literate	Without any formal education	Below primary	Primary	Middle	Class X	Class XII	Graduate and above
Total fertility rate	Total	3.1	2.1	3.2	2.8	2.5	2.2	1.8	1.6	1.7
	Rural	3.2	2.3	3.3	2.9	2.6	2.3	2	1.7	1.8
	Urban	2.5	1.7	2.7	2.4	2	1.8	1.6	1.4	1.6
General fertility rate	Total	79.2	78.2	90.7	98.6	89.7	76.5	66	65.7	72.5
	Rural	82.5	87.1	95.5	106.4	97.7	83.1	72.2	75.6	89.3
	Urban	61	60.3	68.1	70.9	65.4	59.8	55	54.3	64.7

### Age specific fertility rates

Total	15-19	70	23.6	100.9	70.8	41.3	18.9	12.9	15.5	0
	20-24	262.9	179.9	253.4	261	239.9	200.3	145.5	101.7	111.1
	25-29	172	141.8	162.5	159.2	147.6	143.4	142.2	121.4	125.5
	30-34	79.1	56.3	77.6	53.5	52.3	53.9	49.8	55.4	73.8
	35-39	30.5	16	23.7	17.4	15	15.3	13.8	12.9	20.4
	40-44	11.5	3.9	13.7	4.5	4.6	2.9	2.6	2.6	2.3
	45-49	2.9	1.1	4.7	1.2	1.1	0.5	0.8	1	0.5
Rural	15-19	74.5	26.4	100.4	73.8	44.5	20.6	14.3	17.4	0
	20-24	268.8	198.6	264.9	268.7	252.2	209.6	155.4	117.7	126.8
	25-29	176	152.5	166.5	164.9	153.6	154.1	151.5	132.2	136.7
	30-34	81.7	56.5	80.7	55.3	54.6	55	50.4	56.5	70.7
	35-39	32	17.1	22.1	19.8	16.6	16.2	14.8	15.2	17.2
	40-44	12.7	4.9	13.7	5	5.2	3.3	3.7	2.9	2.4
	45-49	3.1	1.3	3.8	1.5	1.3	0.5	0.9	1.6	0.7
Urban	15-19	41.8	15	105.3	54.8	26.4	13.1	9.6	12.5	0
	20-24	225.8	133.9	179.3	222.3	191.2	170	123.2	79.9	99
	25-29	147.9	121.8	142.6	137.4	129.2	117.8	127.1	109.3	119.4
	30-34	63.5	55.9	63.8	47.5	46.1	51.7	48.9	54.3	75.2
	35-39	21.5	14.3	31.3	10	11.1	13.5	12.6	10.9	21.6
	40-44	5.1	2.6	13.6	3.2	3.2	2.2	1.5	2.4	2.2
	45-49	1.8	0.8	8.2	0.4	0.8	0.5	0.7	0.7	0.5

### Other Fertility Indicators

Source: Sample Registration System, Office of the Registrar General, India.

## 2.9 Age-Specific Mortality Rate by Sex

Age Group	2008		2009		2010		2011		2012		2013	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
0-4	16.1	14.4	14.9	13.4	14.0	12.6	13.0	11.5	12.1	10.9	11.5	10.6
5-9	1.2	1.2	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8
10-14	0.9	0.8	0.9	0.7	0.8	0.9	0.7	0.7	0.6	0.8	0.6	0.6
15-19	1.4	1.4	1.4	1.2	1.4	1.2	1.4	1.2	1.1	1.1	1.1	1.0
20-24	2.0	2.1	1.7	1.8	1.9	1.9	1.6	1.7	1.6	1.9	1.5	1.7
25-29	1.8	2.4	1.8	2.1	1.9	2.4	1.5	2.1	1.5	2.1	1.6	2.1
30-34	2.1	3.2	1.9	3.0	2.0	2.7	1.6	2.9	1.5	2.7	1.6	2.5
35-39	2.4	4.5	2.4	4.1	2.3	4.1	1.7	3.7	1.9	3.8	2.3	3.7
40-44	3.2	5.7	2.7	4.8	2.8	5.0	2.5	5.3	2.5	5.2	2.8	4.9
45-49	4.1	7.7	3.6	7.3	4.6	7.3	3.7	7.2	3.8	7.5	3.9	7.5
50-54	6.0	11.5	5.8	10.8	6.6	10.1	6.0	10.3	5.4	10.3	6.4	10.3
55-59	10.1	15.0	9.0	15.0	9.7	16.3	9.3	15.7	9.7	17.2	9.1	15.5
60-64	18.4	26.5	16.5	24.2	16.5	24.3	16.1	23.8	17.8	24.7	16.1	20.7
65-69	27.9	39.3	29.3	39.1	29.3	40.2	26.7	40.1	29.2	37.3	26.8	32.7
70-74	47.6	61.5	47.0	58.4	44.5	54.6	42.5	58.1	43.7	56.6	43.2	54.9
75-79	72.4	86.6	82.7	96.0	66.2	80.3	66.4	81.5	61.9	75.5	61.2	81.7
80-84	109.3	125.5	100.0	113.1	96.7	107.9	95.1	115.9	96.8	103.9	102.0	129.9
85+	194.2	201.2	168.2	180.6	163.1	191.4	154.8	183.6	151.8	173.4	202.4	226.1
All ages	6.8	8.0	6.7	7.8	6.7	7.7	6.3	7.8	6.4	7.7	6.4	7.5

Source: Sample Registration System, Office of the Registrar General, India.

## 2.10 Percent of live births where the mothers received medical attention at delivery

States	Rural					Urban					Proportion
	2009	2010	2011	2012	2013	2009	2010	2011	2012	2013	
Andhra Pradesh	66.5	84.4	87.5	89.4	91.3	95.5	98.1	98.6	99.2	99.7	1.09
Assam	42.9	51.1	58.9	69.0	71.6	75.7	80.9	88.4	89.6	93.2	1.30
Bihar	29.0	38.2	45.5	57.1	58.1	70.0	77.9	83.6	86.0	86.6	1.49
Chhattisgarh	35.9	43.0	50.3	60.5	64.0	68.9	76.9	79.2	81.7	83.3	1.30
Delhi	69.0	77.6	81.3	85.9	89.6	74.6	78.4	86.5	89.3	91.3	1.02
Gujarat	63.1	72.1	78.6	80.3	83.3	91.7	94.1	95.6	97.0	98.7	1.18
Haryana	44.2	58.9	66.9	72.4	74.8	71.7	74.0	77.7	80.0	84.1	1.12
Himachal Pradesh	47.1	55.7	62.3	67.3	69.2	84.9	89.6	91.1	91.8	94.1	1.36
Jammu & Kashmir	59.4	65.3	70.1	75.7	79.0	89.9	93.0	95.6	95.6	96.4	1.22
Jharkhand	11.4	21.9	29.0	40.5	45.3	73.1	69.7	79.3	82.5	86.6	1.91
Karnataka	66.7	83.1	85.9	88.3	90.7	95.5	90.9	93.6	96.0	97.3	1.07
Kerala	99.4	99.5	99.6	99.7	99.6	99.7	99.6	99.5	98.8	99.3	0.99
Madhya Pradesh	42.7	54.8	62.0	68.0	71.9	84.6	86.9	91.0	92.6	94.2	1.31
Maharashtra	63.5	78.4	85.4	89.1	91.6	96.7	97.8	98.3	98.6	99.0	1.08
Odisha	45.2	54.6	59.8	66.6	70.3	78.1	82.6	87.5	90.3	91.0	1.29
Punjab	51.5	59.9	66.8	75.0	80.1	71.4	81.4	85.3	90.1	92.1	1.15
Rajasthan	46.9	63.5	74.0	78.8	81.1	78.7	85.4	86.9	88.7	90.6	1.12
Tamil Nadu	80.8	85.8	87.5	87.8	89.3	99.6	98.5	99.1	99.5	99.0	1.11
Uttar Pradesh	26.0	36.6	44.7	50.2	54.7	52.8	58.2	67.6	73.4	76.0	1.39
West Bengal	56.6	61.8	66.5	71.2	73.9	87.1	84.3	87.8	89.2	90.9	1.23
<b>India</b>	<b>49.2</b>	<b>53.9</b>	<b>60.7</b>	<b>67.9</b>	<b>69.7</b>	<b>87.3</b>	<b>84.2</b>	<b>87.9</b>	<b>92.0</b>	<b>92.1</b>	<b>1.32</b>

Source: Sample Registration System, Office of the Registrar General, India.

## 2.11 Pattern of Acceptance of Different Family Planning Methods in India

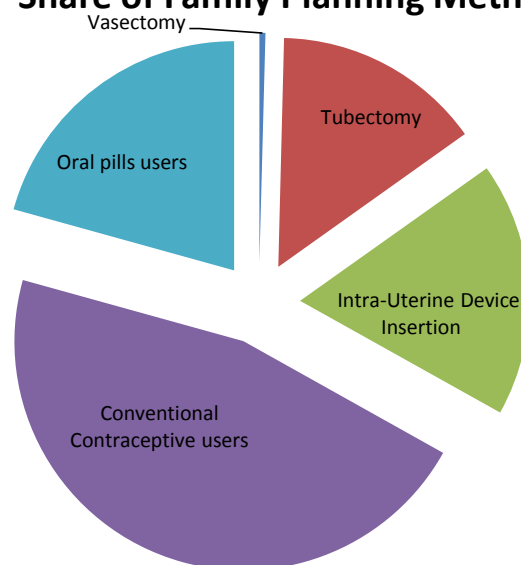
(Figures in Thousands)

Year	Sterilization				Intra-Uterine Device Insertion		Conventional Contraceptive users		Oral pills users		Total acceptors
	Vasectomy	%	Tubectomy	%		%		%	%		
2003-04	114	0.3	4812	10.7	6115	13.7	23837	53.2	9916	22.2	44794
2004-05	136	0.3	4784	10.7	6169	13.8	23940	53.7	9543	21.4	44572
2005-06	165	0.4	4527	9.8	6168	13.4	26041	56.5	9211	20.0	46113
2006-07	123	0.3	4454	9.5	5978	12.7	26737	56.9	9714	20.7	47006
2007-08	227	0.5	4792	9.8	6072	12.4	26799	54.9	10893	22.3	48783
2008-09	294	0.8	4669	12.2	5531	14.4	19068	49.7	8814	23.0	38376
2009-10	263	0.7	4724	12.9	5727	15.7	17668	48.4	8131	22.3	36513
2010-11	228	0.7	4921	14.8	5637	16.9	15141	45.4	7424	22.3	33350
2011-12*	178	0.6	4700	14.8	5392	17.0	15013	47.2	6501	20.5	31784
2012-13*	121	0.4	4453	14.8	5411	17.9	13931	46.2	6241	20.7	30157

Source: HMIS Portal, Ministry of Health and Family Welfare.

\*Provisional

### Share of Family Planning Methods in 2012-13



**2.12 : Sex-wise age-group wise ailment\***

Age-Group	Rural			Urban		
	Male	Female	Persons	Male	Female	Persons
0-4	11.9	8.6	10.3	11.1	11.7	11.4
5-9	6.5	5	5.8	8.7	7.1	8
10-14	4.3	4.7	4.5	5.7	5.3	5.6
15-29	3.5	5.7	4.6	3.8	5.9	4.8
30-44	6	9.4	7.7	7.1	12.6	9.8
45-59	10.9	16.3	13.5	17.3	23.9	20.6
60-69	24.7	27	25.9	33.1	37.9	35.5
70+	32.7	28.6	30.6	37.6	37.1	37.3
All	8	9.9	8.9	10.1	13.5	11.8

\* during last 15 days

**2.13 : Percent persons hospitalised (excluding childbirth)# in different age group**

Age-Group	Rural			Urban		
	Male	Female	Persons	Male	Female	Persons
0-4	3.8	2.2	3.1	5.1	3.9	4.5
5-9	1.5	1	1.3	2.0	1.7	1.9
10-14	1.6	1.1	1.4	1.7	1.8	1.7
15-19	1.9	1.8	1.8	1.7	2.1	1.9
20-24	2.3	4.2	3.2	2.2	3.4	2.8
25-29	1.9	4.1	2.9	2.2	3.7	2.8
30-34	2.2	3.5	2.8	2.9	3.4	3.2
35-39	2.8	4	3.4	3.0	4.7	3.8
40-44	4	3.8	3.9	4.1	4.7	4.4
45-49	4.5	5	4.7	5.7	6.5	6.1
50-54	5.7	5.1	5.4	6.2	6.8	6.5
55-59	5.5	5.5	5.5	7.7	7.2	7.4
60+	10.6	9.3	9.9	14.2	12.5	13.3
All	3.4	3.6	3.5	4.1	4.6	4.4

# during last 365 days

Source: National Sample Survey Office, 71st Round, Jan 2014 - June 2014

## 2.14: Average Total Medical Expenditure for Non-Hospitalised Treatment

### By level of care

in Rs.per Ailing Person

Level of Care	Rural		Urban	
	Male	Female	Male	Female
HSC, PHC & others*	309	314	347	386
public hospital	407	505	372	411
private doctor/clinic	560	600	672	646
private hospital	773	810	1131	785
<b>All</b>	<b>549</b>	<b>589</b>	<b>741</b>	<b>629</b>

\* includes ANM/ASHA/AWW/dispensary/CHC/MMU

per Ailing Person suffering from only one ailment for different level of care

### For each quintile class of UMPCE

UMPCE Quintile Class	Rural			Urban		
	Male	Female	All	Male	Female	All
1	554	495	524	526	433	472
2	406	422	415	591	390	482
3	420	507	469	632	498	553
4	413	491	454	764	686	721
5	640	599	618	785	868	828
<b>All</b>	<b>502</b>	<b>515</b>	<b>509</b>	<b>683</b>	<b>604</b>	<b>639</b>

UMPCE stands for Usual Monthly Per Capita Consumer Expenditure

Source: National Sample Survey Office, 71st Round, Jan'2014-Jun'2014

**2.15: Percent Distribution of Spells of Ailment Treated on Medical Advice over levels of care in each States/UTs**

State/UT	Male				Female			
	HSC/PHC and others*	Public Hospital	Private Doctor	Private Hospital	HSC/PHC and others*	Public Hospital	Private Doctor	Private Hospital
Andaman & Nicobar Islands	2.8	10.9	32.3	54	5.9	8.7	24.9	60.5
Andhra Pradesh	59.4	38.7	1	0.9	70.4	29.2	0.3	0.2
Arunachal Pradesh	32.5	44	20	3.5	59.6	19.9	19.1	1.4
Assam	2.5	4.1	84.4	9	9	12.2	68.1	10.6
Bihar	9.7	5.1	72.4	12.8	34.2	12.5	44.8	8.4
Chandigarh	4.1	8.9	73.8	13.2	14.7	14	69	2.3
Chhattisgarh	4.7	28.4	57.3	9.6	1.5	19	56.7	22.8
Dadra & N. Haveli	10.4	10.2	50.2	29.2	7.5	10.9	55.7	25.9
Daman & Diu	4.5	7.2	63.5	24.8	1.6	6.4	65.4	26.6
Delhi	8	48.8	34	9.2	3.7	36.1	40.4	19.8
Goa	1.3	46.9	51.2	0.6	7.2	39.6	51.2	2
Gujarat	4.2	29.8	50.2	15.8	6.7	9.5	72	11.8
Haryana	5.5	15.5	43.9	35.1	4.6	17.1	47.2	31.2
Himachal Pradesh	9.7	21.6	36	32.7	11.8	24.2	35	29.1
Jammu & Kashmir	6.1	23.1	60.2	10.5	6.3	19.7	58.1	15.9
Jharkhand	6.7	9.4	61.9	22	8.3	11.1	62.4	18.2
Karnataka	16.5	27.6	32.4	23.6	15.2	44.7	33.3	6.8
Kerala	86.3	11.1	1.5	1.1	43	5.5	44.6	6.9
Lakshadweep	45.2	23.8	28.7	2.2	46.2	4.9	41.6	7.3
Madhya Pradesh	47.9	44.7	7.4	0	28.1	13.9	48.3	9.7
Maharashtra	46.5	23.4	27.8	2.3	44.6	30	23.9	1.5
Manipur	7.8	13.7	56.4	22.1	2.6	14.5	56.9	26
Meghalaya	13.1	23.6	46.2	17.1	12.8	26.4	47.1	13.7
Mizoram	48.7	29	15.1	7.2	62.8	16.2	12.4	8.6
Nagaland	7.1	27.2	22.5	43.2	6.8	27.8	23.7	41.6
Odisha	4.1	6.4	31.8	57.7	6.4	11.7	41	40.8
Puducherry	13.5	19.6	55.4	11.5	32.9	37	30	0.2
Punjab	4.8	9.4	74.5	11.3	4.5	11.1	74	10.4
Rajasthan	4.2	36	30.5	29.2	12.7	40.5	37.7	9.1
Sikkim	4	15.6	76.9	3.5	6.7	13	77.7	2.6
Tamil Nadu	34.3	28.3	27.2	10.3	62.2	18.8	17.7	1.3
Telangana	4.6	26.8	68.4	0.3	13.8	36	48.5	1.7
Tripura	25.7	46.9	1.7	25.7	10.4	21	30.1	38.5
Uttar Pradesh	3.6	10.5	49.1	36.8	2	0.1	38.5	59.4
Uttarakhand	14.2	62.7	0.9	22.2	1.9	68	5.1	25
West Bengal	0	40.8	28.7	30.5	0.6	34	20.5	44.8
<b>All</b>	<b>7.9</b>	<b>16.4</b>	<b>51.3</b>	<b>24.3</b>	<b>9</b>	<b>17.4</b>	<b>49.7</b>	<b>23.9</b>

\* includes ANM/ASHA/AWW/dispensary/CHC/MMU

Source: National Sample Survey Office, 71st Round ,January 2014-June2014