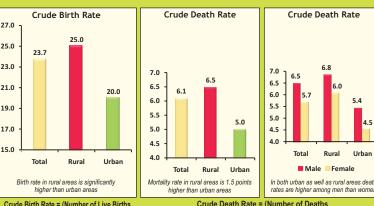


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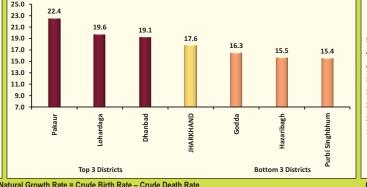


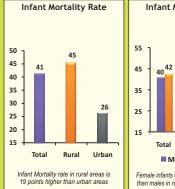
	Crude Birth Rate	Rate Crude Death Rate (CDR) Na		Natura	l Growth		Infant Mortality Rat		Rate (IMR)		Neo-natal		Post Nec	o-natal Ur		Under Five Mortality Rate (U5MR)			IR)	Sex Ratio		Sex Ratio		Sex Ratio		A 1 B1/1	-	95% Confidence Interval Crude Birth Rate Crude Death Rate Infant Mortality Rate Under Five Mortality F								Us. B. s	Rate Sex Ratio at Birth								
District	(CBR)		otal		ural `	Urb	han		Rate	Tot		Rura			ban	Mortality					otal	Rur			 Urban	at Bi	th	(0- 4 Yea	rs)	(All Ages)	-	Crude Birth Total Rural					Infant N Total			Under F Total			Sex Ra		
	Total Rural Urba							Total Ru	ural Urban							Total Rura	Urban T	otal Rura	I Urban					Ļ		Total Rura	I Urban 1	otal Rural	Urban Tot	tal Rural Urb	oan	ower Upper Lower Upp Limit Limit Limit Lin													1
JHARKHAND	23.7 25.0 20.0	6.1	6.5	5.7 6.5 6	6.8	5.0 5.	4.5	17.6	8.6 15.0	41 40	42	45 45	46	26	25 27	26 29	17	15 16	9	59 5	7 61	66 64	67	35	33 38	923 936	880	937 951	889 94	42 957 90	01	23.4 24.0 24.7 25	.4 19.4 20.6	5.9 6.2	6.3 6.6	4.7 5.2	39 43 4	13 47	23 29	58 60	64 67	33 38	914 933 9	25 947 85	6 904
1 Garhwa	23.8 24.0 20.3	5.1	5.1	5.2 5.2 5	5.1 5.2	2 4.7 4.	.7 4.7	18.6 18	8.8 15.6	40 39	40	39 39	40	46	45 47	24 25	20	16 15	26	55 5	3 56	54 53	3 56	61	59 63	957 957	959	943 947	886 92	22 923 91	18	22.6 24.9 22.8 25	.2 16.3 24.3	4.7 5.6	4.7 5.7 3	3.7 5.7	33 46 3	33 46	34 58	49 60	49 60	34 88	914 1003 9	13 1004 76	55 1200
2 Palamu	22.8 22.9 20.7	5.9	6.0	5.7 5.9 6	5.8	5.7 6.	5.2 5.3	16.9 17	7.1 15.0	49 47	50	50 48	51	-		28 29	-	20 21	-	64 6	0 68	66 62	2 70	-		944 955	785	970 978	843 94	45 946 92	23	21.8 23.9 21.8 24	.0 18.1 23.4	5.5 6.2	5.5 6.3	4.7 6.8	41 56 4	12 58		59 69	60 71		905 985 9	14 997 64	1 956
3 Chatra	24.3 24.4 23.7	5.4	5.7	5.1 5.5 5	5.9 5.1	4.8 4.	.2 5.5	18.9 18	8.9 18.9	52 50	53	53 51	54	-		31 32	-	21 21	-	66 6	4 68	68 66	70	-		949 946	983	976 968	1064 98	80 984 94	43	22.8 25.8 22.9 25	.9 17.8 29.6	4.8 6.1	4.8 6.2 3	3.8 5.9	41 62 4	1 64		58 73	60 75		894 1008 8	88 1006 79	1210
4 Hazaribagh	20.5 21.4 17.6	5.0	5.3	4.7 5.1 5	5.4 4.7	4.8 5.	5.0 4.6	15.5 16	6.3 12.8	37 35	38	38 36	39	33	33 34	18 19	15	18 18	18	46 4	4 48	47 44	50	40	41 39	894 908	840	924 936	875 95	50 968 89	94	19.6 21.5 20.4 22	.4 15.3 20.0	4.5 5.5	4.5 5.6	4.1 5.5	30 43 3	31 45	15 52	41 51	42 53	27 53	853 938 8	63 956 73	36 957
5 Kodarma	23.2 23.6 21.1	5.0	5.5	4.5 5.0 5	5.5 4.5	5 4.8 5.	5.6 4.1	18.2 18	8.6 16.3	36 36	35	36 37	35	33	32 35	23 24	22	12 13	11	45 4	5 46	47 46	6 47	39	37 41	969 984	894	962 973	905 95	51 957 91	19	22.4 24.0 22.8 24	.5 19.1 23.2	4.4 5.6	4.3 5.7 3	3.7 6.0	29 42 2	29 43	19 48	39 51	40 53	23 56	915 1026 9	27 1046 75	j4 1058
6 Giridih	22.5 22.7 18.8	4.6	5.0	4.1 4.6 5	5.0 4.1	4.3 4.	.5 4.1	17.9 18	8.2 14.5	36 34	37	36 35	38	26	21 29	22 22	19	14 14	6	49 4	5 52	50 47	53	28	21 34	985 974	1207	963 958	1068 100	02 1005 95	56	21.7 23.3 21.9 23	.6 15.9 21.7	4.1 5.0	4.1 5.1 3	3.2 5.4	28 44 2	28 45	17 34	44 54	45 55	10 46	941 1032 9	29 1021 96	57 1513
7 Deoghar	22.5 23.1 19.2	5.0	5.1	4.9 5.1 5	5.3 5.0	4.4 4.	.4 4.3	17.5 17	7.9 14.8	40 38	41	39 39	40	42	38 46	22 22	20	18 17	22	52 4	8 56	53 50	57	43	38 50	928 928	926	952 951	957 90	01 907 86	68	21.2 23.8 21.7 24	.4 16.0 22.4	4.3 5.7	4.3 5.9 3	3.4 5.4	29 50 2	27 51	30 53	44 59	45 62	24 63	865 995 8	61 1000 76	51 1124
8 Godda	23.6 23.8 18.8	7.2	7.1	7.3 7.3 7	7.3 7.3	5.2 4.	.0 6.6	16.3 16	6.5 13.6	64 63	65	65 64	65	-		35 35	-	29 29	-	93 8	9 97	95 91	99	-		947 94	1104	973 972	978 92	23 926 86	64	22.3 24.8 22.5 25	.1 14.7 23.0	6.4 8.1	6.4 8.2	1.5 8.8	53 76 5	53 77		84 102	86 104		891 1006 8	85 1001 81	5 1503
9 Sahibganj	24.4 25.2 18.7	7.3	7.5	7.1 7.5 7	7.7 7.3	5.6 5.	5.9 5.3	17.1 17	7.7 13.1	59 59	60	61 61	62	40	39 42	37 37	29	23 24	11	88 8	4 93	93 88	98	48	43 53	928 932	890	930 937	865 93	34 941 88	89	23.9 24.9 24.6 25	.8 17.3 20.0	7.0 7.6	7.2 7.8 4	4.9 6.3	55 64 5	66 66	20 60	84 92	88 97	36 60	901 956 9	04 961 79	J3 998
10 Pakaur	29.7 30.3 19.8	7.3	7.7	6.9 7.4 7	7.9 7.0	6.0 5.	6.8	22.4 22	2.9 13.8	59 58	59	59 60	58	-		36 37	-	22 22	-	83 8	1 86	85 84	86	-		909 927	527	943 958	617 94	45 950 86	66	27.5 32.0 28.0 32	.6 15.2 24.3	6.5 8.2	6.5 8.3 5	5.6 6.5	45 72 4	15 73		73 94	74 95		842 980 8	58 1002 34	8 760
11 Dumka	25.7 26.3 19.2	6.9	7.3	6.4 6.9 7	7.4 6.4	6.0 6.	5.2 5.7	18.9 19	9.3 13.2	45 47	44	46 47	44	-		34 34	-	11 12	-	59 5	8 60	59 59	59	-		914 925	759	922 928	833 95	55 959 90	01	24.5 26.9 25.0 27	.5 15.8 22.5	6.3 7.4	6.3 7.6	4.8 7.1	37 54 3	37 54		52 67	51 66		858 974 8	66 987 58	35 977
12 Dhanbad	24.3 28.8 21.4	5.2	5.5	4.9 6.3 6	6.0	4.6 4.	.9 4.2	19.1 22	2.5 16.9	28 28	29	37 37	36	21	19 23	21 27	16	7 9	5	43 3	9 47	58 60	56	30	23 39	890 893	887	893 888	896 89	96 914 88	85	23.0 25.7 26.4 31	.2 19.9 23.0	4.8 5.7	5.5 7.1 4	4.0 5.2	23 34 2	28 45	16 26	38 47	52 65	25 36	853 929 8	44 944 83	30 949
13 Bokaro	23.6 27.5 20.1	5.6	5.8	5.3 6.5 6	6.4	4.8 5.	5.2 4.2	18.1 2	1.1 15.4	29 28	30	33 31	35	24	25 24	21 25	16	8 8	8	43 4	2 43	52 49	54	33	35 31	893 920	862	895 928	858 90	01 925 87	79	22.7 24.6 26.4 28	.6 18.8 21.5	5.2 6.0	5.8 7.1	4.2 5.3	25 34 2	27 38	17 31	38 47	46 58	26 40	854 935 8	70 972 79	96 933
14 Ranchi	23.5 25.8 20.1	6.3	6.9	5.6 6.6 7	7.1 6.1	5.8 6.	5.7 4.8	17.2 19	9.2 14.4	35 34	36	40 38	41	25	25 24	24 28	16	11 12	9	53 5	3 54	60 59	61	41	42 40	900 920	864	920 937	890 95	52 968 92	28	22.5 24.5 24.5 27	.0 18.9 21.4	5.8 6.8	5.9 7.3	5.1 6.4	29 40 3	32 47	17 32	49 58	54 66	33 49	864 938 8	76 966 79	935
15 Lohardaga	27.9 28.8 20.8	8.3	8.4	8.1 8.5 8	8.4	6.5 6.	6.3	19.6 20	0.3 14.3	54 52	57	57 54	60	29	27 31	41 43	20	13 14	9	72 6	9 76	77 73	80	35	33 38	915 92	864	942 954	838 97	73 977 94	41	27.2 28.5 28.2 29	.5 18.6 23.1	7.9 8.7	8.1 9.0 8	5.3 7.7	49 60 5	63	16 41	67 78	71 82	22 49	879 953 8	83 960 74	1002
16 Gumla	26.0 26.5 19.6	9.1	10.3	7.9 9.3 10	0.4 8.1	6.9 8.	5.7 5.1	16.9 17	7.2 12.7	48 48	48	49 48	49	-		33 33	-	15 15	-	75 7	7 73	77 80	75	-		938 934	1016	951 949	981 98	83 985 94	48	25.3 26.8 25.7 27	.2 17.4 21.9	8.5 9.7	8.7 9.9 5	5.8 8.1	42 53 4	13 54		71 80	73 82		906 972 9	02 969 85	1208
17 Pashchimi Singhbhum	25.8 26.9 20.5	7.8	8.5	7.1 8.4 9	9.2 7.7	4.8 5.	5.3 4.2	18.0 18	8.5 15.7	55 54	57	59 58	61	30	32 28	36 38	21	19 21	9	92 9	0 94	101 99	102	42	44 40	977 995	871	998 1020	866 97	76 987 92	28	24.8 26.9 25.8 28	.1 18.2 22.7	7.2 8.4	7.7 9.1 3	3.4 6.1	49 62 5	52 66	13 47	86 98	94 108	29 55	934 1021 9	49 1043 76	j6 991
18 Purbi Singhbhum	21.0 24.6 18.4	5.6	6.2	5.0 6.6 7	7.5 5.6	5 4.9 5.	5.2 4.5	15.4 18	8.0 13.5			31 33		21	21 22	17 22		9 9	10		7 36	48 52	2 44	27	25 30	884 872	897	901 906	896 92	28 960 90	06	20.3 21.7 23.6 25	.6 17.5 19.3	5.2 5.9	6.0 7.2	4.5 5.3	23 30 2	25 37	17 25	33 40	42 54	23 32	850 920 8	25 921 84	948

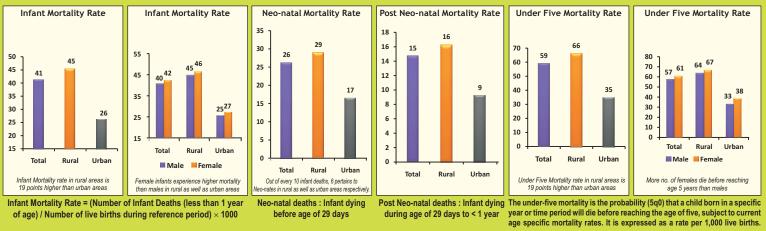


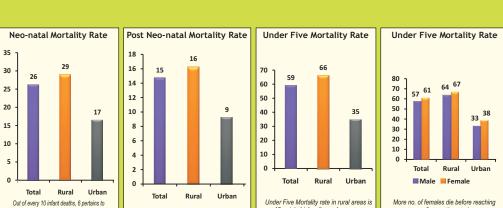
in reference period / Mid-year population) × 1000

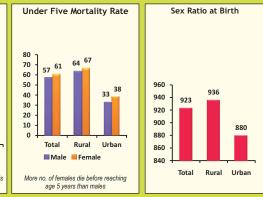




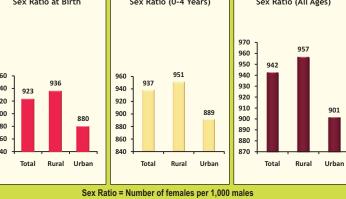






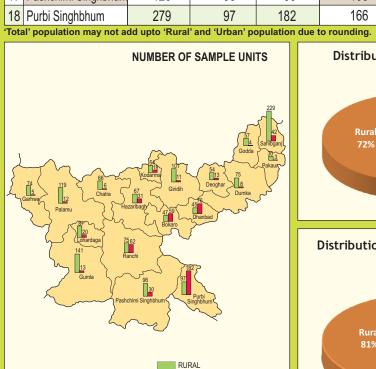


INFANT MORTALITY RATE



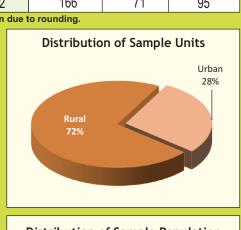
District		Numb	er of Samp	le Units	Population (in '000')						
	District	Total	Rural	Urban	Total	Rural	Urban				
JH	IARKHAND	2,109	1,514	595	1,925	1,565	360				
1	Garhwa	79	74	5	103	98	5				
2	Palamu	131	119	12	132	125	7				
3	Chatra	72	66	6	61	56	5				
4	Hazaribagh	98	67	31	113	95	18				
5	Kodarma	72	54	18	70	61	9				
6	Giridih	112	101	11	113	107	6				
7	Deoghar	67	54	13	48	41	7				
8	Godda	61	57	4	60	57	3				
9	Sahibganj	271	229	42	245	223	22				
10	Pakaur	33	30	3	31	29	2				
11	Dumka	83	75	8	51	47	4				
12	Dhanbad	121	45	76	116	60	56				
13	Bokaro	106	47	59	105	63	42				
14	Ranchi	137	75	62	128	86	42				
15	Lohardaga	107	87	20	116	104	12				
16	Gumla	154	141	13	164	155	9				
17	Pashchimi Singhbhum	126	96	30	103	87	16				
18	Purbi Singhbhum	279	97	182	166	71	95				

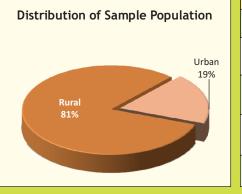
in reference period / Mid-year population) × 1000



URBAN

Figure above the bar indicates number of units



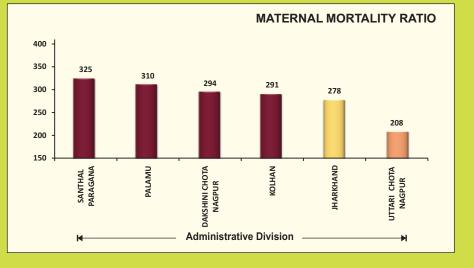


CRUDE BIRTH RATE	CRUDE DEATH RATE
Chatra Palamu Chatra Hazaribagh Bokaro Pashchimi Singhbhum Purbi Singhbhum Singhbhum Pashchimi Singhbhum Pashchimi Singhbhum Pashchimi Singhbhum Pashchimi Singhbhum Pashchimi Singhbhum	Garhwa Palamu Chatra Hazaribagh Dhanbad Bokaro Lohardaga Ranchi Gumla Pashchimi Singhbhum Singhbhum Singhbhum Singhbhum
RUDE BIRTH RATE <= 22.0 22.1 - 24.0 (State Average 23.7) >= 24.1	CRUDE DEATH RATE <= 5.5 5.6 - 7.0 (State Average 6.1) >= 7.1

Godda Pakaur Dumka	Chatra Palamu Chatra Hazaribagh Ranchi Gumla Pashchimi Singhbhugh
--------------------	---

	SEX RATIO AT BIRTH
ibgahi	Garhwa Palamu Chatra Hazaribagh Dhanbad Bokaro Dumka Ranchi Singhbhum Singhbhum Singhbhum
	NUMBER OF FEMALES PER 1 000 MALES
	901-950
	>= 951

State/Commissionary/(Districts)	Sample Female	Sample Live	Maternal Deaths	MMR	Inte	95% Confidence Interval		Life Time	Age Group	Sample Female	Maternal Deaths	Proportion	95% Conf	al	Non Maternal	Proportion	95% Confi Interv	al				
	Population	Births	Doutilo		Lower Limit	Upper Limit	Rate	Risk	Group	Deaths	Dealis		Lower Limit	Upper Limit	Deaths		Lower Limit	Upper Limit				
HARKHAND	468637	134956	375	278	250	306	27	0.93%	15-19	355	40	11	8	14	315	14	13	15				
AKSHINI CHOTA NAGPUR									20-24	379	90	24	20	28	289	13	11	14				
Ranchi, Lohardaga, Gumla)	102907	30908	91	294	234	355	29	1.03%	25-29	359	90	24	20	28	269	12	11	13				
ANTHAL PARAGANA									30-34	307	59	16	12	19	248	11	10	12				
Deoghar, Godda, Sahibganj, 'akaur, Dumka)	102481	31420	102	325	262	388	33	1.15%	35-39	404	51	14	10	17	353	16	14	17				
COLHAN									40-44	378	29	8	5	10	349	16	14	17				
Pashchimi Singhbhum,	69403	17844	52	291	212	371	25	0.87%	45-49	441	16	4	2	6	425	19	17	21				
urbi Singhbhum)									Total	2623	375	100			2248	100						
ITTARI CHOTA NAGPUR Dhanbad, Bokaro, Chatra, lazaribagh, Kodarma, Giridih)	141273	39001	81	208	163	253	19	0.67%	 Maternal Mortality Ratio = Proportion of maternal deaths per 1,00,000 live births Maternal Mortality Rate = Proportion of maternal deaths per 1,00,000 women in the ages 15-49 years. 													
ALAMU Garhwa, Palamu)	52573	15783	49	310	224	397	31	1.08%	• Life Time Risk = 1- $\left(1 - \frac{Maternal\ Mortality\ Rate}{100000}\right)^{35}$													
lazaribagh, Kodarma, Giridih)	-						-		Maternal Mortality Rate = Proportion of maternal deaths per 1,00,000 women in the ages 15-49 years. Maternal Mortality Pate > 35													



Annual Health Survey Bulletin 2010-11

Introduction:

Decentralized district-based health planning is essential in India because of the large interdistrict variations. In the absence of vital data at the district level, the State level estimates are being used for formulating district level plans as well as setting the milestones thereof. In the process, the hotspots (districts requiring special attention) very often gets masked by the State average. This statistical fallacy compounds the problems of the districts acutely, more so in the health sector. At present, none of the Surveys provides estimates of core vital indicators on fertility and mortality at district level. The District Level Household Survey conducted with periodicity of five years mainly focuses on maternal health and child welfare programmes. There has, therefore, been a surge in the demands from various quarters, in recent years, to generate timely and reliable statistics at the district level for informed decision making in the health sector.

Genesis:

2. The Annual Health Survey was conceived during a meeting of the National Commission of Population held in 2005 under the chairmanship of the Prime Minister wherein it was decided that "there should be an Annual Health Survey of all districts which could be published / monitored and compared against benchmarks". The objective was to monitor the performance and outcome of various health interventions of the Government including those under NRHM at closer intervals through these benchmark indicators. The AHS has been made an integral part of the National Rural Health Mission (NRHM), Ministry of Health & Family Welfare. The responsibility for the project has been entrusted to the Office of Registrar General, India on behalf of the Ministry of Health & Family Welfare keeping in view its expertise in handling the Sample Registration System, one of the largest demographic surveys in the world.

Objective:

3. Realizing the need for preparing a comprehensive district health profile on key parameters based on a community set up, the AHS has been designed to yield benchmarks of core vital and health indicators at the district level on fertility and mortality; prevalence of disabilities, injuries, acute and chronic illness and access to health care for these morbidities; and access to maternal, child health and family planning services. By virtue of being a panel survey, it has the unique ability to map the rate of change in these indicators on a yearly basis. AHS would, thus, enable better capturing of the

health seeking behaviour of the public as compared to other periodic cross-sectional surveys.

Coverage:

4. Keeping in view the mammoth sample size requirement as the sample size at the district level has been derived taking Infant Mortality Rate as the decisive indicator and host of other practical issues relating to execution, it was a considerate decision of the Government to undertake the survey, to begin with, in all the 284 districts (as per 2001 Census) in the 8 Empowered Action Group States (Bihar, Jharkhand, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Chhattisgarh, Orissa and Rajasthan) and Assam for a three year period during XI Five Year Plan period. These nine States, which 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. A representative sample of 18 million population and 3.6 million households is covered in 20,694 statistically selected PSUs (Census Enumeration Blocks in case of urban areas and villages or a segment thereof in case of villages in rural areas) in these 9 AHS States every year. Even with the present coverage, the AHS is the largest demographic survey in the world and is two and half times that of the Sample Registration System.

Fieldwork Strategy:

5. The project is being implemented as a hybrid model wherein the actual field work has been outsourced to seven selected survey agencies on the pattern of National Family Health Survey (NFHS) and District Level Health Survey (DLHS). The supervision, monitoring and co-ordination of the fieldwork in the States are done by the dedicated staff posted at various levels in the respective Directorate of Census Operations (DCOs). The responsibility for overall supervision, monitoring and coordination across the 9 AHS States rests with the AHS Division at ORGI. For smooth and effective execution of the survey, the AHS States have been divided into 18 mutually exclusive and exhaustive zones, each having a group of contiguous districts with more or less similar workload.

Technical Consultation:

6. The outline of the survey such as approach, periodicity, coverage, sampling strategy, sample size, permissible levels of relative standard error, levels of aggregation, were finalized after a series of deliberations on the subject with the representatives from Ministry of Health & Family Welfare, National Sample

Survey Organization, Central Statistical Organization, Ministry of Woman & Child Development, Indian Council of Medical Research, Planning Commission, Indian Institute of Population Sciences and other subject experts. Based on these recommendations, various technical details including preparation of sample design, derivation of sample size etc. were worked out and vetted by the Technical Advisory Group (TAG) constituted for the purpose.

Sample Design: 7. The Sample design adopted for Annual Health Survey is a uni-stage stratified simple random sample without replacement except in case of larger villages of rural areas (population more than or equal to 2000 as per 2001 Census), wherein a two stage stratified sampling has been applied. The sample units are Census Enumeration Blocks (CEBs) in urban areas and villages in rural areas. In rural areas, the villages have been divided into two strata. Stratum I comprise villages with population less than 2000 and Stratum II contains villages with population 2000 or more. Smaller villages with population less than 200 were excluded from the sampling frame in such a manner that the total population of villages so excluded did not exceed 2 per cent of the total population of the district. In case of Stratum I, the entire village is the sample unit. In case of Stratum II. the village has been divided into mutually exclusive (non-overlapping) and geographically contiguous units called segments of more or less equal size, population not exceeding 2000 in any case. One segment was selected from the frame of segments thus prepared in a random manner to

8. The number of sample villages in each district was allocated between the two strata proportionally to their size (population). The villages within each size stratum were further ordered by the female literacy rate based on the Census 2001 data, and three equal size and disjoint substrata were established. The sample villages within each substratum were selected by simple random sampling without replacement. In urban areas, the Census Enumeration Blocks within a district were also ordered by the female literacy rate based on the Census 2001 data, and three equal size and disjoint substrata were established. The sample Census Enumeration Blocks within each substratum were selected by simple random sampling without replacement. This process of selection ensured equal representation across three sub-strata both in rural as well as in urban areas of a district besides rendering the sample design as self-weighting.

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represent the selected village at the second stage

mple Size:

9. Generating robust estimate of Infant Mortality Rate at the district level has become an utmost necessity as reduction in Infant Mortality constitutes one of the key targets in the Reproductive & Child Health Programme (RCH) under the umbrella of NRHM. This would also facilitate effective tracking of the Millennium Development Goal 4 on Child Mortality. The Infant Mortality Rate has therefore been taken as the decisive indicator for estimation of sample size at the district level. The permissible level of error has been taken as 10 percentage relative standard error (prse) at the district level. The sample size so worked out would yield relatively better estimates of Crude Birth Rate / Crude Death Rate and may also enable generation of rarer indicators like TFR / MMR (for a group of districts) with good precision. In the absence of district level estimates from any other reliable source, the district level estimates of IMR based on SRS pooled data have been used for estimation of sample size for each district.

Sample Identification Work:

Survey Tools:

10. One of the essential prerequisites before the commencement of the survey is to uniquely identify the sample unit on ground. This was done in all the sample units across the 9 AHS States by the regular staff of ORGI. The work involved firming up of the boundary of the selected villages / Enumeration Blocks; resorting to segmentation in case of villages exceeding the population 2000, random selection of segment thereof and drawing of appropriate notional maps of the sample units to serve as the base map for the survey work.

11. The Baseline Survey in all the nine AHS States was carried out during July 2010 to March 2011 and four Schedules in all were administered.

These are: (i) House-listing Schedule, (ii) Household Schedule, (iii) Woman Schedule and (iv) Mortality Schedule. In the House-listing Schedule, besides the mapping and listing of all the houses and households in a sample unit, some key particulars relating to the dwelling, basic amenities available to the household and assets possessed by them were also collected. In the Household Schedule, all Usual Residents as on 01.01.2010 were listed and for each listed member, information on background characteristics like Name, Sex, Relationship to head, Date of Birth, Age, Religion, Social Group, Marital Status, Date of first Marriage, Education and Occupation/Activity status was captured. Besides, information in respect of Disability, Morbidity (Injuries, Acute illness, Chronic illness) and Personal habits (like Chewing. Smoking and consumption of Alcohol) was also collected wherever applicable. Woman Schedule comprised two sections. Section-I was

administered to each and every ever married woman and information relating to the outcome of pregnancy(s) (live birth/still birth/abortion), birth history, type of medical attention at delivery, details of maternal health care(ante natal/natal/post natal), immunization of children, breast feeding practices including supplements, occurrence of child diseases (Pneumonia, Diarrhoea and fever), registration of births, etc. taken place during the reference period i.e. 01.01.2007 to 31.12.2009 were collected. Section II focused on information on pregnancy; use, sources and practices of family planning methods; details relating to future and unmet need, awareness about RTI/STI, HIV/AIDS, administration of HAF/ORT/ORS during diarrhoea and danger signs of ARI/Pneumonia from Currently Married Woman.

12. Through the Mortality Schedule, details relating to death occurred to usual residents of sample unit during 01.01.2007 to 31.12.2009 were captured and it included information on name & sex of deceased, date of death, age at death, registration of death and source of medical attention before death. For infant deaths, a question on symptoms leading to death was also probed. Information on a variety of questions on factors leading/contributing to death, symptoms leading to death, time between onset of complications and death, etc. were asked in case of deaths associated with pregnancy to yield data on various determinants of maternal mortality. These schedules were finalized after a series of deliberations in the TAG and a pilot was also done to test them. The fieldwork in sample unit was carried out by a team of field enumerators which had at least one female. This was done to ensure that besides canvassing of woman schedule, questions on morbidity for female members in household schedule and questions relating to infant deaths as well as deaths associated with pregnancy in the mortality schedule are probed and recorded only by the female enumerator.

Training

13. Since information on morbidity, disability, few specific details in case of infant and maternal deaths etc. were being collected at the district level in such a large survey setup for the first time, adequate emphasis was given on training. An exhaustive training manual for the field staff was prepared with inputs from various stakeholders and subject experts. A three day 'Training of Trainers' programme was organized at New Delhi prior to commencement of State/Zone level training sessions wherein experts imparted training on concepts,

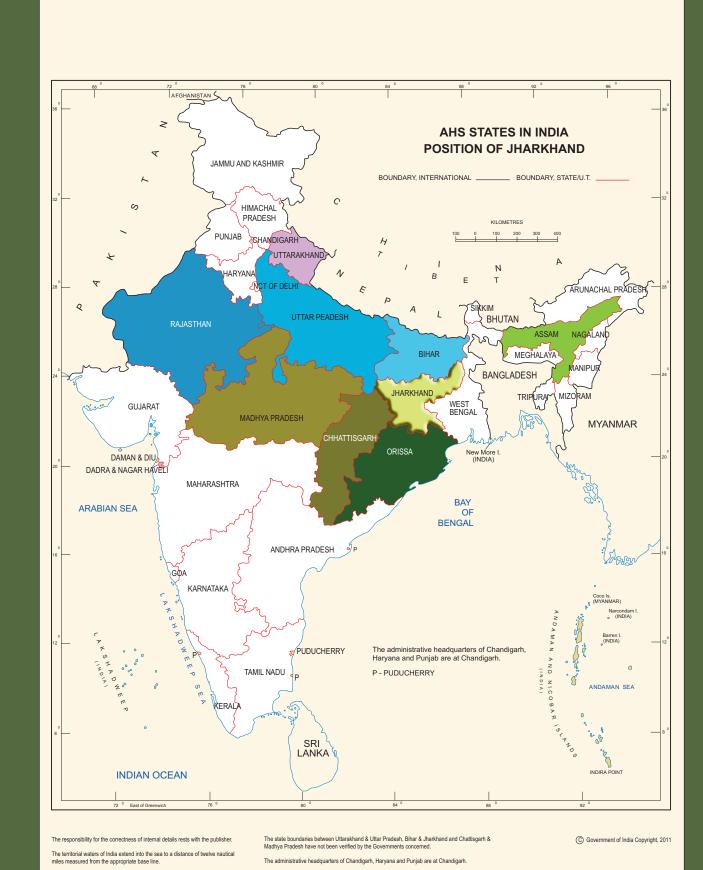
definitions and how best to collect data on different parameters. A pool of doctors was arranged with the help of National Institute of Health & Family Welfare (NIHFW) who imparted training to the field staff on disability and morbidity in the State/Zone level training programmes. A standardized Video training module was specially developed for the purpose. Officers from ORGI and DCOs were deputed to observe these training programmes.

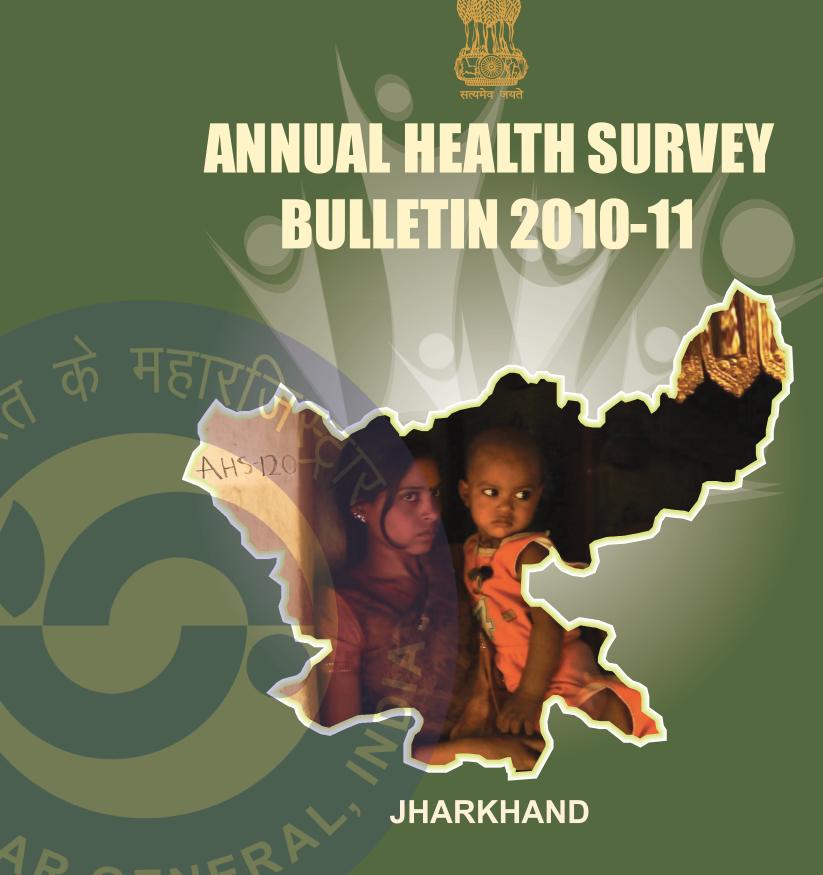
Supervision and Third Party Audit:

14. In addition to the multilayer supervision mechanism adopted by the survey agencies, regular inspections were carried out by the officers/officials of respective DCOs and those from ORGI headquarters to secure the quality of data. The inspections were a judicious mix of concurrent as well as post survey audit. Over and above, a component of third party audit has also been included to verify and authenticate the surveyed data through an independent mechanism. The third party audit work has been done in 20 randomly selected AHS units in a district covering every fourth household thereof by following a standard protocol prescribed by ORGI. A truncated version of household, women and mortality schedules were filled in afresh by the field staff of the third party audit agencies. The findings of the third party audit helped in improving the quality of data particularly netting of vital events.

Dissemination of Results:

15. In view of the huge volume of data collected under AHS and also the significant time required for validation and processing, the dissemination of AHS results is being done in two phases. The first set of data is being released in the form of a State-wise bulletin, which contains the district level data on crude birth rate, crude death rate, natural growth rate, infant mortality rate, neo-natal and post neonatal mortality rate, under 5 mortality rate, sex ratio at birth, sex ratio (0-4 years) and overall sex ratio. Though the sample size has been calculated for the district as a whole, the rural and urban estimates at the district level has also been published as a by-product. Users are advised to keep the above fact into consideration while using the rural / urban estimates of a district. In addition, the maternal mortality ratio, maternal mortality rate and life time risk have been published for a group of districts. In order to facilitate direct intervention, the grouping of districts has been done on the basis of existing administrative divisions in the respective AHS States. The data on all other parameters covered under AHS would be released subsequently in the form of district level factsheets.





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