Annual Health Survey 2010-11

UTTAR PRADESH

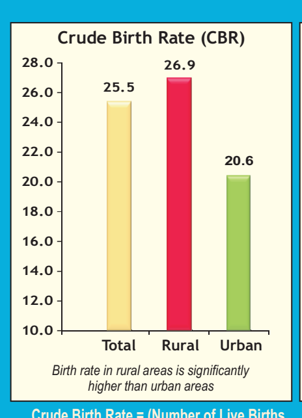
No.	District	Crude Birth Rate (CBR)			Crude Death Rate (CDR)									Natural Growth Rate			Infant Mortality Rate (IMR)								
					Total			Rural			Urban						Total			Rural			Urban		
		Total	Rural	Urban	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Rural	Urban	Total	Male	Female	Total	Male	Female	Total	Male	Female
	Uttar Pradesh	**25.5**	**26.9**	**20.6**	**8.6**	**9.1**	**8.1**	**9.1**	**9.6**	**8.6**	**6.9**	**7.3**	**6.5**	**16.9**	**17.8**	**13.7**	**71**	**69**	**72**	**74**	**73**	**75**	**54**	**53**	**55**
1	Saharanpur	26.6	27.7	22.6	9.2	9.8	8.4	9.7	10.5	8.8	7.4	7.6	7.1	17.4	18.0	15.2	78	78	78	85	81	89	51	65	35
2	Muzaffarnagar	24.2	25.0	22.1	9.0	9.6	8.3	9.6	10.5	8.5	7.5	7.4	7.7	15.2	15.4	14.6	54	51	57	59	55	64	37	40	34
3	Bijnor	24.5	25.4	21.5	7.9	8.7	7.0	8.3	9.5	7.2	6.3	6.3	6.3	16.6	17.0	15.2	62	60	64	65	61	70	-	-	-
4	Moradabad	25.8	27.1	23.4	8.0	8.3	7.7	8.3	8.6	8.0	7.5	7.8	7.1	17.8	18.8	15.9	65	62	67	63	61	65	67	63	72
5	Rampur	25.6	27.1	21.2	9.2	9.8	8.6	9.4	9.6	9.1	8.7	10.4	6.9	16.4	17.7	12.6	64	64	65	71	70	72	40	42	37
6	Jyotiba Phule Nagar	26.5	27.1	24.5	8.0	8.7	7.2	8.0	8.5	7.5	7.8	9.5	6.1	18.5	19.1	16.6	66	65	67	69	65	75	55	66	41
7	Meerut	24.6	26.1	22.6	6.4	6.9	5.9	6.7	7.3	6.0	6.0	6.3	5.7	18.2	19.4	16.6	56	55	56	57	51	65	53	62	42
8	Baghpat	22.8	23.1	21.6	9.4	10.5	8.2	10.1	11.3	8.7	7.0	7.7	6.1	13.3	13.0	14.6	54	56	53	56	56	57	47	57	36
9	Ghaziabad	21.6	22.7	20.8	7.2	7.8	6.6	9.3	10.1	8.4	5.8	6.3	5.4	14.3	13.4	15.0	52	47	57	51	50	52	53	45	61
10	Gautam Buddha Nagar	24.0	25.4	20.7	6.2	6.5	5.7	6.9	7.5	6.2	4.5	4.4	4.6	17.8	18.6	16.2	56	54	57	59	61	57	46	35	59
11	Bulandshahar	26.3	27.6	23.6	9.4	9.8	8.9	10.1	10.6	9.6	7.9	8.2	7.6	16.9	17.5	15.7	67	67	68	62	68	57	79	65	93
12	Aligarh	26.9	28.6	23.1	7.5	7.8	7.1	8.2	8.4	7.9	6.0	6.4	5.5	19.4	20.5	17.2	68	69	68	69	69	69	66	68	64
13	Hathras	24.1	25.1	20.8	8.8	9.2	8.3	9.1	9.4	8.8	7.6	8.6	6.5	15.3	16.0	13.2	57	56	58	56	54	59	59	62	54
14	Mathura	22.7	23.3	21.5	7.8	8.3	7.2	8.2	8.9	7.5	6.9	7.1	6.6	14.9	15.0	14.6	46	45	46	50	52	47	37	31	44
15	Agra	24.3	26.0	22.7	7.2	7.6	6.7	6.9	7.2	6.6	7.4	7.9	6.8	17.1	19.0	15.3	51	49	54	51	50	53	51	48	56
16	Firozabad	26.1	27.5	22.1	9.4	9.5	9.3	10.3	10.4	10.3	6.9	7.1	6.7	16.6	17.1	15.2	62	60	65	66	65	68	47	41	55
17	Etah	28.4	29.3	22.7	7.8	8.5	7.1	7.8	8.6	7.0	7.8	7.8	7.9	20.5	21.4	14.9	73	72	74	76	75	77	-	-	-
18	Mainpuri	23.8	24.0	23.1	10.2	11.1	9.2	10.7	11.6	9.7	8.1	9.0	7.0	13.6	13.3	15.1	54	54	54	50	50	50	70	70	70
19	Budaun	30.9	31.4	29.0	9.3	9.5	9.1	9.6	9.8	9.3	8.2	8.2	8.2	21.7	21.8	20.8	91	88	94	91	90	93	89	82	99
20	Bareilly	27.0	30.5	20.5	9.1	9.3	9.0	9.9	9.7	10.1	7.7	8.5	6.8	17.9	20.6	12.8	78	77	79	86	81	91	56	66	45
21	Pilibhit	25.8	27.2	19.1	8.7	9.4	7.8	8.8	9.6	7.8	8.0	8.1	7.9	17.1	18.4	11.1	74	75	74	79	80	77	45	42	47
22	Shahjahanpur	28.5	30.1	20.2	8.0	8.4	7.6	8.6	9.1	8.2	4.7	4.8	4.5	20.5	21.5	15.6	87	86	88	92	91	93	-	-	-
23	Kheri	27.4	28.4	16.8	8.4	8.5	8.2	8.7	8.8	8.6	5.0	5.5	4.5	19.0	19.7	11.8	79	78	79	81	81	81	-	-	-
24	Sitapur	28.4	28.9	23.3	9.0	9.1	9.0	9.3	9.4	9.3	6.5	6.7	6.3	19.3	19.6	16.7	82	82	82	82	83	81	80	69	90
25	Hardoi	27.9	28.3	25.3	9.2	9.5	8.9	9.4	9.7	9.2	7.7	8.1	7.3	18.7	18.8	17.6	80	80	79	80	84	76	77	56	99
26	Unnao	21.8	22.2	19.7	7.1	7.5	6.6	7.2	7.6	6.8	6.3	7.0	5.6	14.7	15.0	13.4	59	54	64	60	52	69	50	68	33
27	Lucknow	18.8	22.1	16.4	6.8	7.3	6.3	8.3	8.6	7.9	5.8	6.4	5.2	12.0	13.9	10.6	45	45	44	57	56	60	33	35	30
28	Rae Bareli	22.6	23.0	18.0	7.9	8.5	7.3	8.1	8.6	7.6	6.5	8.0	4.8	14.6	14.9	11.5	55	56	53	56	58	54	-	-	-
29	Farrukhabad	26.9	29.4	19.8	7.7	8.3	7.1	8.2	8.7	7.6	6.4	7.2	5.6	19.2	21.2	13.4	79	77	82	83	82	84	63	53	74
30	Kannauj	23.8	24.4	21.3	9.3	9.9	8.6	9.9	10.5	9.2	6.8	7.3	6.2	14.5	14.5	14.5	78	80	77	80	82	78	71	68	73
31	Etawah	22.8	23.8	19.0	8.5	8.9	8.0	8.7	9.2	8.1	7.5	7.7	7.4	14.3	15.1	11.4	55	57	53	55	58	52	56	52	60
32	Auraiya	24.7	25.5	20.8	8.9	9.5	8.4	9.2	9.7	8.7	7.5	8.1	6.8	15.8	16.3	13.3	58	58	58	63	63	62	34	32	37
33	Kanpur Dehat	20.2	20.5	15.8	8.9	9.0	8.9	9.1	9.1	9.1	7.1	7.4	6.7	11.2	11.4	8.8	65	63	66	68	67	69	-	-	-
34	Kanpur Nagar	18.0	21.0	17.1	6.1	6.4	5.7	7.4	7.5	7.3	5.7	6.1	5.2	11.9	13.6	11.4	36	33	40	56	50	63	28	26	31
35	Jalaun	22.7	23.3	21.0	8.4	8.7	8.1	8.6	8.9	8.3	7.7	8.1	7.3	14.3	14.7	13.3	65	65	66	66	63	69	64	71	56
36	Jhansi	19.6	22.0	17.1	6.9	7.3	6.4	7.7	7.9	7.4	6.1	6.7	5.4	12.7	14.3	11.0	42	43	41	50	49	51	30	35	25
37	Lalitpur	27.3	28.9	17.9	7.9	8.0	7.9	8.2	8.3	8.2	6.1	6.4	5.8	19.4	20.7	11.8	73	74	72	75	74	76	55	70	37
38	Hamirpur	24.0	24.4	22.2	7.1	7.4	6.8	7.3	7.7	7.0	6.0	6.0	6.0	16.9	17.0	16.2	48	48	49	48	51	45	47	30	66
39	Mahoba	25.6	25.7	25.6	7.4	7.8	6.9	7.7	8.1	7.1	6.9	7.3	6.5	18.2	18.0	18.7	48	49	47	53	54	52	38	39	37
40	Banda	27.7	28.8	22.7	9.5	10.0	9.0	9.6	10.2	9.0	9.3	9.5	9.0	18.2	19.2	13.4	60	58	63	56	58	54	84	58	114
41	Chitrakoot	25.1	26.1	16.0	8.9	9.0	8.8	9.1	9.2	9.0	7.0	7.2	6.8	16.2	17.0	9.0	69	71	68	69	72	67	70	52	88
42	Fatehpur	23.9	24.4	20.5	7.3	7.9	6.7	7.7	8.2	7.0	4.8	4.9	4.6	16.6	16.7	15.7	56	56	56	59	61	57	-	-	-
43	Pratapgarh	24.9	25.1	20.8	10.4	12.1	9.0	10.4	12.0	8.9	11.4	13.7	9.2	14.5	14.7	9.4	88	87	90	88	86	92	81	117	41
44	Kaushambi	30.0	30.3	26.7	11.4	12.0	10.8	11.5	12.1	11.0	9.7	10.8	8.7	18.6	18.8	17.0	83	81	85	81	79	84	103	96	111
45	Allahabad	26.6	28.6	19.3	9.9	10.7	9.1	10.5	11.3	9.6	7.9	8.7	7.1	16.7	18.1	11.4	88	86	90	96	94	99	43	43	43
46	Barabanki	26.0	26.4	21.1	7.6	7.8	7.3	7.7	8.1	7.3	6.1	5.1	7.2	18.4	18.7	15.0	71	69	72	72	72	72	-	-	-
47	Faizabad	25.5	26.2	20.8	11.7	12.6	10.7	11.8	13.0	10.6	11.0	10.1	12.1	13.9	14.4	9.7	98	98	97	99	98	101	84	105	64
48	Ambedkar Nagar	25.2	25.2	25.6	9.9	11.6	8.3	9.9	11.7	8.3	9.1	10.6	7.7	15.4	15.3	16.5	72	71	73	72	71	74	66	70	62
49	Sultanpur	22.8	23.1	18.8	7.4	8.2	6.6	7.4	8.1	6.7	7.9	9.8	5.9	15.4	15.7	10.9	48	48	47	49	49	49	-	-	-
50	Bahraich	32.2	32.8	22.1	7.6	7.4	7.8	7.7	7.4	8.0	6.2	7.4	4.9	24.6	25.1	15.9	66	67	65	67	67	66	44	55	30
51	Shrawasti	40.9	41.2	30.7	12.6	12.9	12.3	12.7	13.0	12.4	9.9	11.4	8.1	28.3	28.5	20.8	103	102	106	103	100	106	-	-	-
52	Balrampur	36.3	36.9	26.6	11.2	11.4	11.0	11.2	11.5	10.9	11.4	10.1	12.8	25.1	25.7	15.2	93	90	96	94	90	99	66	94	44
53	Gonda	27.1	27.4	22.6	7.8	7.7	7.9	7.9	7.8	7.9	6.7	5.7	7.8	19.3	19.5	15.9	72	72	71	73	74	72	-	-	-
54	Siddharthnagar	38.0	38.4	28.5	11.4	12.9	10.1	11.5	13.0	10.2	9.3	11.5	7.0	26.6	26.9	19.2	91	90	91	91	90	92	88	106	71
55	Basti	27.6	28.2	18.6	11.3	11.6	11.0	11.4	11.7	11.2	8.9	10.2	7.5	16.3	16.7	9.7	84	84	85	85	84	85	78	80	74
56	Sant Kabir Nagar	31.1	31.5	24.3	10.7	11.1	10.4	10.6	11.1	10.2	11.4	10.3	12.5	20.4	20.9	12.9	65	64	67	63	62	65	-	-	-
57	Maharajganj	29.0	29.7	20.6	10.5	11.3	9.7	10.7	11.5	10.0	8.0	9.5	6.4	18.5	19.0	12.6	87	87	88	89	87	91	-	-	-
58	Gorakhpur	25.1	27.3	18.9	8.7	9.3	8.1	9.4	10.1	8.7	6.9	7.3	6.4	16.4	17.9	12.1	61	60	63	64	64	65	48	44	53
59	Kushinagar	30.2	30.3	22.5	10.1	11.2	9.2	10.1	11.2	9.2	8.8	10.1	7.5	20.1	20.2	13.6	83	81	84	83	82	84	-	-	-
60	Deoria	26.6	27.1	23.4	11.0	12.5	9.7	11.0	12.5	9.6	11.3	12.2	10.5	15.6	16.1	12.0	75	75	75	74	72	77	79	98	60
61	Azamgarh	24.4	24.6	22.0	9.9	11.2	8.6	10.0	11.4	8.7	8.3	8.4	8.1	14.6	14.7	13.7	79	77	81	79	77	81	74	74	74
62	Mau	22.3	22.3	22.0	9.0	9.6	8.6	9.3	9.9	8.7	8.1	8.3	8.0	13.2	13.0	13.9	76	74	79	78	75	81	71	69	74
63	Ballia	24.1	25.2	16.2	8.3	8.5	8.0	8.8	9.0	8.6	4.1	4.9	3.3	15.9	16.4	12.0	72	71	73	71	69	73	80	84	75
64	Jaunpur	22.7	23.0	20.1	8.5	8.7	8.3	8.6	8.9	8.3	7.3	6.6	8.1	14.2	14.4	12.8	78	77	79	80	77	83	61	82	38
65	Ghazipur	24.1	24.1	23.6	9.4	10.0	8.8	9.3	10.1	8.6	10.3	9.2	11.5	14.7	14.8	13.3	82	79	85	81	81	81	94	55	149
66	Chandauli	26.4	26.8	22.2	10.1	10.3	9.8	10.0	10.3	9.7	10.4	10.3	10.5	16.3	16.8	11.9	81	80	82	79	78	79	106	100	111
67	Varanasi	19.9	21.7	17.6	8.1	8.1	8.0	8.5	8.9	8.2	7.4	7.1	7.8	11.8	13.1	10.2	78	78	78	83	88	78	70	63	78
68	Sant Ravidas Nagar (Bhadohi)	25.3	26.6	17.1	7.5	8.2	6.8	7.9	8.7	7.1	5.1	5.6	4.6	17.8	18.7	12.0	80	78	82	80	79	81	82	70	100
69	Mirzapur	22.2	23.0	16.6	8.7	10.0	7.5	8.5	9.5	7.5	10.4	13.4	7.1	13.4	14.5	6.2	83	83	84	83	79	89	83	120	31
70	Sonbhadra	28.7	31.1	15.5	9.2	9.5	8.9	10.0	10.3	9.7	4.8	5.1	4.4	19.5	21.1	10.7	62	57	67	66	60	72	-	-	-

No.	District	Neo-natal Mortality Rate			Post Neo-natal Mortality Rate			Under Five Mortality Rate (U5MR)									Sex Ratio at Birth			Sex Ratio (0- 4 Years)			Sex Ratio (All Ages)		
								Total			Rural			Urban											
		Total	Rural	Urban	Total	Rural	Urban	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
	Uttar Pradesh	**50**	**53**	**36**	**21**	**22**	**18**	**94**	**90**	**99**	**101**	**95**	**106**	**68**	**66**	**69**	**904**	**911**	**873**	**913**	**920**	**887**	**943**	**955**	**901**
1	Saharanpur	54	58	35	25	27	15	99	100	99	109	106	112	62	76	47	899	892	926	921	910	968	917	917	916
2	Muzaffarnagar	36	40	22	18	19	15	72	66	80	80	72	89	50	47	53	870	872	865	870	863	892	885	887	882
3	Bijnor	44	47	-	18	18	-	78	74	82	82	75	90	-	-	-	831	846	778	883	878	902	959	958	962
4	Moradabad	44	42	49	21	22	18	82	76	89	85	76	95	78	76	79	1030	1058	970	975	975	976	901	910	883
5	Rampur	47	52	29	17	19	11	92	86	99	103	93	114	55	63	47	875	880	856	925	926	922	906	897	934
6	Jyotiba Phule Nagar	45	45	46	21	24	9	85	81	88	89	80	98	71	86	55	835	831	852	866	853	914	932	927	948
7	Meerut	35	36	34	20	21	19	66	64	68	67	58	76	64	72	55	842	866	807	865	859	874	896	900	892
8	Baghpat	35	37	29	19	19	18	72	74	71	76	75	78	57	70	43	935	946	895	903	908	886	863	863	864
9	Ghaziabad	35	36	34	17	15	19	66	59	73	70	69	71	63	52	75	894	842	934	884	847	914	863	860	864
10	Gautam Buddha Nagar	35	38	27	20	21	19	68	64	74	73	73	72	56	38	77	838	837	842	838	841	833	834	849	800
11	Bulandshahar	44	43	47	23	19	32	92	87	97	91	90	91	96	79	112	973	953	1020	917	919	912	912	903	931
12	Aligarh	47	47	47	21	22	19	85	81	89	88	80	98	77	83	70	1023	1057	938	988	1022	907	909	906	916
13	Hathras	38	39	36	18	17	22	82	77	87	81	73	90	84	90	78	870	891	790	874	879	856	868	873	853
14	Mathura	35	39	26	10	10	10	61	58	65	71	70	72	42	34	50	790	790	789	838	847	820	873	870	879
15	Agra	34	34	35	17	18	16	68	64	73	73	69	78	62	58	67	792	810	771	821	828	814	870	869	871
16	Firozabad	40	41	33	23	25	15	87	76	99	92	83	102	70	53	89	823	803	899	834	817	897	897	889	921
17	Etah	50	52	-	24	24	-	93	90	96	98	96	102	-	-	-	934	953	794	934	957	786	887	888	880
18	Mainpuri	32	29	46	22	21	24	79	75	84	78	74	83	84	76	92	956	957	953	904	908	882	883	875	923
19	Budaun	58	59	55	32	32	35	112	104	122	115	106	125	102	93	112	841	852	793	903	917	840	912	906	941
20	Bareilly	49	52	40	29	34	17	107	102	112	122	111	133	72	83	60	950	978	876	934	937	926	887	880	901
21	Pilibhit	54	58	31	20	21	14	95	94	95	99	98	100	64	67	62	935	941	894	926	938	853	886	890	867
22	Shahjahanpur	63	67	-	23	25	-	106	101	113	115	108	123	-	-	-	887	897	814	918	938	799	853	849	871
23	Kheri	54	56	-	25	25	-	117	112	124	123	117	130	-	-	-	924	928	845	911	918	801	885	884	903
24	Sitapur	57	56	62	25	26	17	120	115	125	121	116	126	112	103	120	995	994	1007	983	987	944	881	879	898
25	Hardoi	53	54	45	27	26	32	113	110	118	115	113	118	101	82	122	983	991	923	931	933	921	875	877	860
26	Unnao	39	38	45	20	22	6	84	75	94	85	72	100	77	92	64	940	924	1037	931	916	1021	884	877	917
27	Lucknow	27	35	19	18	22	13	60	56	64	86	75	97	38	39	37	874	864	883	886	891	882	895	886	901
28	Rae Bareli	33	34	-	21	22	-	81	78	84	83	80	86	-	-	-	893	897	831	912	916	859	946	952	886
29	Farrukhabad	56	59	43	23	24	20	99	97	101	106	105	108	72	66	79	882	876	909	882	878	894	869	857	903
30	Kannauj	55	56	48	24	24	23	99	96	102	101	100	102	90	79	102	894	881	952	912	910	916	886	878	916
31	Etawah	42	41	44	14	14	12	83	78	88	86	81	91	72	64	81	875	866	922	882	875	919	857	851	880
32	Auraiya	41	43	28	18	19	6	86	82	90	92	87	97	52	54	51	850	851	848	880	884	858	873	869	894
33	Kanpur Dehat	43	46	-	21	22	-	97	89	105	101	93	110	-	-	-	955	966	808	962	966	896	875	873	894
34	Kanpur Nagar	24	37	19	12	19	9	52	47	57	83	74	93	40	38	43	889	896	886	899	913	894	871	858	875
35	Jalaun	46	47	44	19	19	20	96	93	99	96	92	99	97	97	96	955	980	873	908	950	783	877	884	856
36	Jhansi	33	40	24	9	10	7	61	61	61	76	76	76	43	43	42	847	871	815	871	883	856	873	878	868
37	Lalitpur	53	54	42	20	21	13	114	112	116	119	114	124	76	98	50	931	942	837	906	903	927	885	887	873
38	Hamirpur	28	27	29	21	21	18	65	63	68	67	70	64	59	30	91	913	916	900	919	933	856	858	853	879
39	Mahoba	33	35	30	15	18	8	71	71	72	76	76	75	63	59	67	886	887	885	860	876	828	885	889	876
40	Banda	36	34	49	24	23	35	95	87	103	94	85	103	103	95	114	904	912	857	895	910	813	925	938	868
41	Chitrakoot	49	50	43	20	20	26	125	118	132	130	124	136	78	56	102	935	934	948	928	928	931	909	912	889
42	Fatehpur	38	40	-	19	19	-	81	76	87	87	82	91	-	-	-	901	900	910	891	894	860	918	918	914
43	Pratapgarh	66	66	67	22	23	14	113	108	118	114	107	121	94	133	49	940	943	883	985	984	1025	1134	1140	1024
44	Kaushambi	59	58	73	24	23	30	128	115	141	129	115	142	122	116	130	859	863	814	894	898	841	1026	1029	1002
45	Allahabad	64	69	35	24	27	8	115	111	118	125	120	131	60	64	55	920	908	992	957	954	974	1012	1032	940
46	Barabanki	55	57	-	16	15	-	95	97	92	97	101	92	-	-	-	930	936	838	922	933	780	893	896	857
47	Faizabad	72	73	63	25	26	21	129	124	134	132	125	138	106	115	99	821	799	1062	873	859	1013	1011	1030	881
48	Ambedkar Nagar	55	56	43	17	16	23	90	88	91	90	88	93	80	88	71	906	917	796	935	935	937	1114	1122	1034
49	Sultanpur	29	30	-	19	19	-	68	64	72	70	65	75	-	-	-	953	954	926	941	941	947	985	987	962
50	Bahraich	45	45	26	21	21	18	101	91	111	103	93	114	57	63	48	960	969	774	962	970	787	891	889	918
51	Shrawasti	73	72	-	31	31	-	142	133	151	142	132	153	-	-	-	871	868	999	891	889	1023	979	983	872
52	Balrampur	64	66	8	29	28	58	128	118	137	130	119	140	81	94	74	962	951	1263	941	937	1024	1039	1042	989
53	Gonda	53	53	-	19	20	-	97	93	101	99	94	105	-	-	-	940	931	1158	931	929	986	902	900	941
54	Siddharthnagar	70	71	57	20	20	31	121	118	124	122	117	126	111	132	90	927	924	1041	954	955	924	1173	1183	949
55	Basti	62	62	61	23	23	17	109	101	116	110	102	118	85	87	82	874	887	599	893	897	802	1062	1071	933
56	Sant Kabir Nagar	49	47	-	17	16	-	97	95	100	96	92	99	-	-	-	899	907	764	982	982	975	1169	1181	1002
57	Maharajganj	69	70	-	18	19	-	110	106	113	112	107	117	-	-	-	916	924	780	965	974	845	1127	1144	950
58	Gorakhpur	44	47	35	17	18	13	82	77	87	87	84	89	65	54	77	914	933	839	912	938	821	1072	1127	930
59	Kushinagar	62	63	-	20	20	-	106	103	109	108	104	111	-	-	-	915	918	694	941	944	780	1130	1134	964
60	Deoria	59	58	61	16	16	18	93	88	96	92	85	98	100	114	85	981	977	1017	958	941	1122	1171	1182	1092
61	Azamgarh	60	61	33	19	17	41	95	93	97	96	94	98	81	78	83	853	857	807	900	900	902	1097	1104	1014
62	Mau	58	60	49	18	17	22	97	91	103	100	95	105	85	76	94	863	877	813	917	897	995	1035	1045	997
63	Ballia	54	54	52	18	17	28	90	85	95	90	84	96	93	96	88	834	847	700	860	867	796	978	985	930
64	Jaunpur	60	61	42	18	18	18	101	93	108	100	90	109	108	122	93	864	858	928	912	913	901	1025	1033	942
65	Ghazipur	66	66	63	16	14	31	102	97	106	100	99	102	122	83	176	937	955	733	940	961	710	1060	1070	936
66	Chandauli	60	59	66	21	20	39	108	100	116	107	99	115	120	114	125	928	926	940	941	939	968	986	992	939
67	Varanasi	53	61	42	25	23	28	101	97	107	111	110	112	87	76	100	810	796	834	841	844	837	918	942	887
68	Sant Ravidas Nagar (Bhadohi)	58	60	41	22	20	41	109	103	115	110	106	115	102	83	127	858	876	702	895	896	892	991	1007	896
69	Mirzapur	60	59	64	23	24	19	111	112	110	112	109	115	108	143	58	852	869	707	873	887	756	963	964	955
70	Sonbhadra	45	48	-	17	18	-	96	84	110	105	91	121	-	-	-	972	970	1000	945	942	973	953	961	907

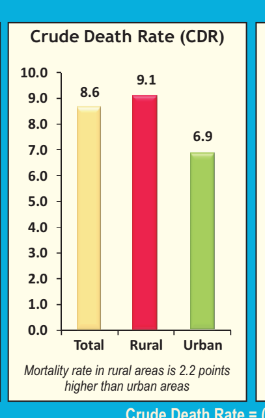
No.	District	95% Confidence Interval																													
		Crude Birth Rate						Crude Death Rate						Infant Mortality Rate						Under Five Mortality Rate						Sex Ratio at Birth					
		Total		Rural		Urban		Total		Rural		Urban		Total		Rural		Urban		Total		Rural		Urban		Total		Rural		Urban	
		Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit
	Uttar Pradesh	**25.3**	**25.7**	**26.7**	**27.1**	**20.2**	**21.0**	**8.5**	**8.8**	**9.0**	**9.3**	**6.7**	**7.1**	**69**	**72**	**73**	**76**	**51**	**57**	**93**	**95**	**100**	**102**	**65**	**70**	**898**	**910**	**904**	**918**	**858**	**889**
1	Saharanpur	25.1	28.0	26.0	29.4	19.9	25.3	8.1	10.2	8.6	10.8	5.1	9.6	66	90	71	99	28	74	91	108	99	119	44	81	846	954	836	952	793	1079
2	Muzaffarnagar	22.5	25.8	23.0	26.9	19.0	25.2	8.0	10.0	8.3	10.8	6.3	8.8	45	62	49	69	21	53	65	79	72	88	36	64	825	917	823	924	761	983
3	Bijnor	22.7	26.3	23.3	27.5	18.4	24.6	6.7	9.0	7.0	9.7	4.5	8.2	51	73	54	76	-	-	69	87	72	92	-	-	778	888	786	910	667	905
4	Moradabad	24.6	27.1	25.6	28.5	21.1	25.8	7.0	9.0	6.9	9.7	6.2	8.8	51	78	48	79	40	95	75	90	76	94	63	92	974	1089	992	1129	868	1084
5	Rampur	24.6	26.6	26.1	28.1	18.6	23.8	8.3	10.1	8.5	10.4	6.7	10.7	56	73	61	81	24	56	85	100	94	112	40	70	828	924	829	934	749	977
6	Jyotiba Phule Nagar	25.3	27.7	25.7	28.5	22.1	26.8	6.8	9.1	6.6	9.4	6.2	9.5	51	81	51	88	33	76	75	94	77	100	50	92	778	896	768	898	723	1001
7	Meerut	22.7	26.4	23.3	29.0	20.6	24.6	5.4	7.4	5.1	8.3	5.2	6.9	47	65	45	70	41	66	59	72	59	74	53	76	798	888	812	924	734	886
8	Baghpat	21.9	23.7	22.1	24.1	19.3	23.9	8.6	10.3	9.2	11.0	4.9	9.1	45	64	47	66	22	72	66	79	69	83	42	73	890	982	897	997	780	1025
9	Ghaziabad	20.3	22.9	21.2	24.2	18.9	22.7	6.4	8.0	7.7	10.9	5.1	6.6	44	60	43	59	41	65	60	72	62	79	54	71	852	938	788	900	872	1001
10	Gautam Buddha Nagar	22.7	25.3	24.0	26.9	18.2	23.1	5.6	6.8	6.2	7.6	3.4	5.5	50	62	52	66	33	58	62	75	65	80	43	69	797	882	791	886	752	942
11	Bulandshahar	24.8	27.8	26.0	29.2	20.7	26.5	8.1	10.7	8.6	11.7	5.7	10.2	58	77	50	75	65	94	84	100	81	100	79	113	919	1029	894	1017	908	1147
12	Aligarh	25.3	28.4	26.6	30.6	20.8	25.5	6.5	8.4	7.0	9.3	4.6	7.3	61	76	62	76	47	85	76	93	79	98	60	93	963	1087	986	1134	828	1062
13	Hathras	23.0	25.2	23.9	26.3	18.7	23.0	7.8	9.8	8.0	10.3	5.8	9.5	47	66	46	66	30	87	73	90	72	90	63	106	817	926	832	954	674	924
14	Mathura	21.2	24.1	21.2	25.3	19.6	23.4	6.8	8.8	6.8	9.6	5.8	8.0	36	55	39	61	21	52	54	69	61	81	28	55	740	843	733	852	689	901
15	Agra	23.4	25.2	24.7	27.2	21.4	24.0	6.4	7.9	5.8	8.1	6.4	8.4	44	59	41	62	41	61	62	73	66	80	54	71	759	826	768	854	718	828
16	Firozabad	24.5	27.6	25.7	29.2	18.9	25.3	8.5	10.4	9.3	11.4	5.2	8.6	51	73	53	80	26	68	79	95	82	101	53	87	777	872	753	857	787	1026
17	Etah	26.2	30.5	26.8	31.7	19.9	25.5	6.8	8.9	6.7	9.0	5.6	10.0	59	88	61	92	-	-	84	102	89	108	-	-	880	991	896	1015	642	977
18	Mainpuri	22.6	25.1	22.6	25.4	20.3	26.0	9.3	11.1	9.6	11.8	6.7	9.4	44	63	41	60	43	96	71	87	70	87	61	106	900	1016	896	1021	810	1121
19	Budaun	29.0	32.9	29.8	33.0	21.7	36.3	8.3	10.3	8.4	10.7	6.0	10.4	81	100	81	101	58	121	103	121	105	125	79	125	795	891	801	906	679	924
20	Bareilly	25.7	28.3	28.9	32.1	18.3	22.7	8.3	9.9	8.9	10.9	6.3	9.1	70	87	77	95	36	77	99	115	112	131	59	86	904	999	924	1036	789	971
21	Pilibhit	24.2	27.3	25.4	28.9	15.9	22.3	7.4	9.9	7.3	10.3	6.1	10.0	62	87	64	93	20	70	85	105	88	110	39	90	873	1000	875	1011	725	1100
22	Shahjahanpur	26.4	30.6	27.9	32.4	17.2	23.3	7.1	8.9	7.7	9.6	3.1	6.3	73	100	78	106	-	-	97	115	105	125	-	-	836	941	843	956	681	970
23	Kheri	26.1	28.8	27.0	29.8	14.7	18.9	7.8	9.0	8.1	9.3	3.4	6.7	67	90	69	93	-	-	108	127	113	133	-	-	872	978	875	985	643	1104
24	Sitapur	26.4	30.3	26.8	31.0	17.0	29.5	8.1	10.0	8.3	10.3	4.5	8.5	70	93	70	94	33	126	110	130	110	132	76	148	934	1059	931	1061	799	1270
25	Hardoi	26.0	29.8	26.2	30.4	21.0	29.6	8.6	9.9	8.8	10.1	5.0	10.5	67	92	67	93	41	113	104	123	105	125	71	132	925	1045	929	1056	753	1130
26	Unnao	20.7	23.0	21.1	23.4	16.1	23.2	6.6	7.6	6.7	7.8	5.3	7.3	49	68	50	71	30	70	76	92	76	94	55	100	885	998	866	985	876	1229
27	Lucknow	17.6	20.0	20.0	24.3	15.2	17.7	6.2	7.4	7.3	9.3	5.1	6.5	37	52	44	71	25	40	53	66	75	96	31	45	829	921	802	930	819	953
28	Rae Bareli	21.2	23.9	21.6	24.3	13.4	22.6	7.3	8.6	7.4	8.7	4.6	8.4	44	66	45	67	-	-	72	89	74	92	-	-	840	949	843	955	652	1054
29	Farrukhabad	25.0	28.7	27.8	31.1	17.1	22.5	6.7	8.7	7.1	9.3	4.8	8.1	66	92	70	96	27	99	90	108	97	116	47	98	831	937	822	933	745	1106
30	Kannauj	22.8	24.7	23.5	25.3	18.8	23.7	8.7	9.9	9.3	10.6	5.6	7.9	72	85	73	87	54	87	93	104	95	107	76	104	861	928	846	918	862	1050
31	Etawah	21.9	23.7	22.8	24.7	16.9	21.0	7.7	9.2	7.8	9.6	6.4	8.6	46	65	45	66	38	73	75	90	77	94	54	91	828	925	815	920	797	1065
32	Auraiya	23.9	25.6	24.5	26.5	19.5	22.1	8.4	9.5	8.6	9.9	6.8	8.2	52	65	55	70	20	48	79	92	85	99	38	67	813	890	810	893	745	964
33	Kanpur Dehat	18.7	21.6	19.0	22.1	13.0	18.7	7.9	10.0	7.9	10.2	5.7	8.4	49	80	51	84	-	-	86	108	90	112	-	-	889	1027	897	1040	574	1123
34	Kanpur Nagar	17.3	18.7	19.9	22.1	16.2	17.9	5.6	6.5	6.5	8.3	5.2	6.1	30	43	43	69	22	35	47	57	72	94	35	46	849	930	827	971	837	936
35	Jalaun	21.4	24.1	22.0	24.6	17.1	25.0	7.8	9.0	7.9	9.3	6.5	8.9	54	77	54	77	33	95	86	106	85	106	74	119	893	1021	910	1056	748	1017
36	Jhansi	18.6	20.6	20.6	23.4	15.7	18.5	6.4	7.5	7.0	8.4	5.3	6.8	35	49	40	60	22	39	54	69	66	86	33	53	795	901	804	942	736	901
37	Lalitpur	25.7	28.9	27.1	30.7	15.2	20.7	6.9	8.9	7.1	9.4	4.3	8.0	58	88	59	91	29	81	102	125	107	131	42	110	866	1001	873	1016	646	1079
38	Hamirpur	22.6	25.3	23.2	25.5	17.7	26.7	6.5	7.7	6.6	8.1	5.2	6.8	41	56	40	57	31	63	58	73	59	75	38	79	860	969	859	976	755	1070
39	Mahoba	24.2	27.1	24.0	27.3	22.8	28.4	6.8	8.0	7.0	8.3	5.8	8.1	40	56	44	61	23	53	64	79	67	85	49	76	836	940	827	951	792	988
40	Banda	26.3	29.1	27.3	30.4	19.0	26.4	8.6	10.4	8.7	10.4	5.9	12.6	52	68	47	65	63	105	86	103	85	103	68	138	853	958	859	968	677	1080
41	Chitrakoot	23.6	26.6	24.5	27.8	13.2	18.9	8.3	9.6	8.5	9.8	4.7	9.3	57	81	57	82	31	108	116	133	121	139	48	109	889	984	886	985	756	1189
42	Fatehpur	22.6	25.3	23.0	25.8	15.1	25.9	6.7	7.9	7.0	8.3	4.0	5.5	47	66	49	70	-	-	72	90	77	96	-	-	845	960	842	961	723	1142
43	Pratapgarh	23.6	26.1	23.8	26.4	17.3	24.4	9.7	11.1	9.6	11.1	9.6	13.3	80	97	80	97	47	115	105	121	106	123	54	133	893	990	894	994	671	1157
44	Kaushambi	28.4	31.6	28.6	32.0	20.6	32.9	10.6	12.2	10.7	12.4	8.2	11.2	75	90	73	89	78	127	119	137	119	138	85	159	814	907	816	912	646	1019
45	Allahabad	25.2	28.1	27.0	30.1	16.3	22.4	9.3	10.6	9.6	11.3	6.8	9.0	75	102	81	112	26	60	105	124	115	135	41	79	868	975	853	966	846	1165
46	Barabanki	24.9	27.1	25.4	27.4	15.3	26.9	7.1	8.1	7.2	8.2	4.4	7.7	54	88	54	90	-	-	86	104	88	106	-	-	876	987	880	995	637	1094
47	Faizabad	24.2	26.9	24.7	27.7	17.7	23.9	10.8	12.5	10.8	12.7	9.1	13.0	88	107	89	109	48	120	119	139	121	142	73	139	774	871	751	849	857	1319
48	Ambedkar Nagar	23.6	26.8	23.5	26.8	18.5	32.7	8.7	11.0	8.7	11.1	6.1	12.1	61	82	61	84	51	82	80	100	80	101	47	113	845	972	853	986	619	1016
49	Sultanpur	21.7	23.9	21.9	24.2	14.4	23.2	6.8	8.0	6.7	8.0	6.9	8.8	38	58	38	59	-	-	60	76	62	78	-	-	894	1015	894	1018	689	1239
50	Bahraich	30.9	33.5	31.5	34.2	17.8	26.5	7.1	8.1	7.2	8.2	5.0	7.4	58	73	59	74	25	64	95	106	97	109	34	80	925	998	933	1007	631	945
51	Shrawasti	38.8	43.0	39.0	43.3	27.9	33.6	11.7	13.5	11.8	13.6	8.7	11.1	92	115	91	115	-	-	132	152	132	153	-	-	821	924	817	922	720	1386
52	Balrampur	34.6	38.0	35.2	38.5	13.0	40.2	10.2	12.2	10.1	12.2	9.6	13.3	83	103	83	105	32	100	117	138	119	140	32	129	905	1022	894	1011	-	-
53	Gonda	25.8	28.5	26.0	28.8	19.9	25.4	7.3	8.3	7.4	8.4	5.3	8.2	56	87	57	89	-	-	89	104	91	107	-	-	892	991	883	983	896	1505
54	Siddharthnagar	36.6	39.4	37.0	39.8	20.7	36.3	10.7	12.1	10.8	12.2	6.8	11.8	82	100	81	100	46	131	113	130	113	130	66	155	880	976	877	973	784	1384
55	Basti	26.1	29.2	26.6	29.8	14.8	22.3	10.5	12.1	10.6	12.2	6.6	11.1	75	94	74	95	50	106	99	119	100	121	45	126	819	933	830	948	436	802
56	Sant Kabir Nagar	29.0	33.1	29.4	33.7	19.1	29.6	9.9	11.5	9.8	11.5	8.4	14.5	57	73	55	71	-	-	88	107	86	105	-	-	843	959	848	969	580	996
57	Maharajganj	27.6	30.4	28.3	31.2	17.6	23.6	10.0	11.0	10.1	11.3	6.7	9.4	78	97	79	99	-	-	101	118	103	121	-	-	867	967	874	977	590	1020
58	Gorakhpur	24.1	26.1	26.1	28.5	17.5	20.4	8.2	9.2	8.8	9.9	5.7	8.1	55	68	58	71	33	64	75	89	79	95	50	79	869	961	883	987	745	943
59	Kushinagar	28.4	32.0	28.5	32.2	15.4	29.6	9.4	10.8	9.4	10.9	6.5	11.2	71	94	72	95	-	-	97	116	98	117	-	-	858	974	861	979	401	1142
60	Deoria	25.3	28.0	25.7	28.4	18.9	27.8	10.4	11.6	10.4	11.5	8.8	13.8	66	83	66	83	45	113	84	101	83	100	67	132	926	1039	920	1037	819	1264
61	Azamgarh	23.5	25.4	23.6	25.7	20.0	24.0	9.4	10.3	9.5	10.4	6.4	10.2	71	86	71	87	41	106	88	102	89	103	54	107	813	895	815	900	660	983
62	Mau	20.8	23.7	20.7	24.0	19.0	25.0	8.3	9.8	8.4	10.2	6.6	9.7	68	85	68	88	53	89	88	106	90	110	65	105	813	916	821	936	704	937
63	Ballia	22.9	25.4	23.9	26.6	13.5	18.9	7.7	8.9	8.2	9.5	2.4	5.9	63	81	62	80	43	118	82	98	82	98	61	124	790	881	801	896	558	870
64	Jaunpur	21.6	23.9	21.8	24.2	16.3	24.0	7.6	9.4	7.6	9.6	5.3	9.3	65	91	65	94	33	89	89	112	88	111	61	156	800	932	794	928	681	1260
65	Ghazipur	22.7	25.4	22.7	25.5	19.4	27.8	8.8	10.0	8.7	9.9	7.4	13.2	71	92	70	92	55	134	92	111	91	110	82	162	881	997	895	1018	568	937
66	Chandauli	25.1	27.6	25.6	28.1	16.9	27.6	9.6	10.5	9.5	10.5	8.5	12.2	71	91	69	88	58	153	100	116	99	115	91	148	883	975	880	975	786	1124
67	Varanasi	18.9	20.9	20.7	22.7	15.6	19.6	7.6	8.6	7.9	9.2	6.7	8.2	69	87	71	95	56	84	92	110	100	123	72	102	763	860	739	855	751	926
68	Sant Ravidas Nagar (Bhadohi)	23.5	27.1	24.7	28.5	13.1	21.1	6.6	8.4	6.8	8.9	3.7	6.6	66	93	65	94	46	118	99	119	99	121	67	136	803	917	817	939	553	883
69	Mirzapur	20.7	23.7	21.4	24.6	12.4	20.8	7.8	9.7	7.4	9.6	9.3	11.4	68	98	67	99	49	116	98	125	98	126	59	156	782	929	795	950	508	965
70	Sonbhadra	26.4	31.0	29.0	33.2	9.8	21.2	8.1	10.3	8.8	11.2	3.0	6.6	47	77	49	82	-	-	85	108	93	118	-	-	900	1050	895	1051	747	1338

'–' denotes inadequate sample.

'Total' under Infant Mortality Rate may not add up to corresponding 'Total' of Neo-natal and Post Neo-natal Mortality Rates due to rounding.

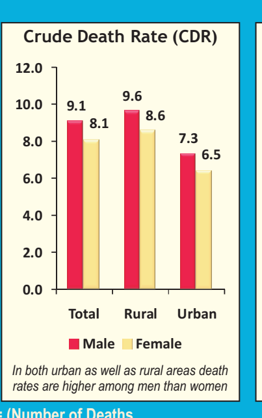


Birth rate in rural areas is significantly higher than urban areas



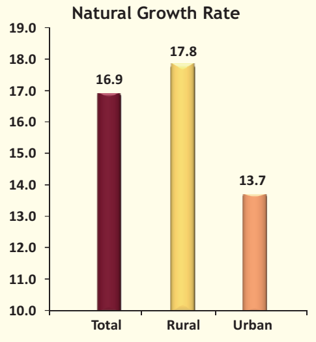
Mortality rate in rural areas is 2.2 points higher than urban areas

Crude Birth Rate = (Number of Live Births in reference period / Mid-year population) × 1000

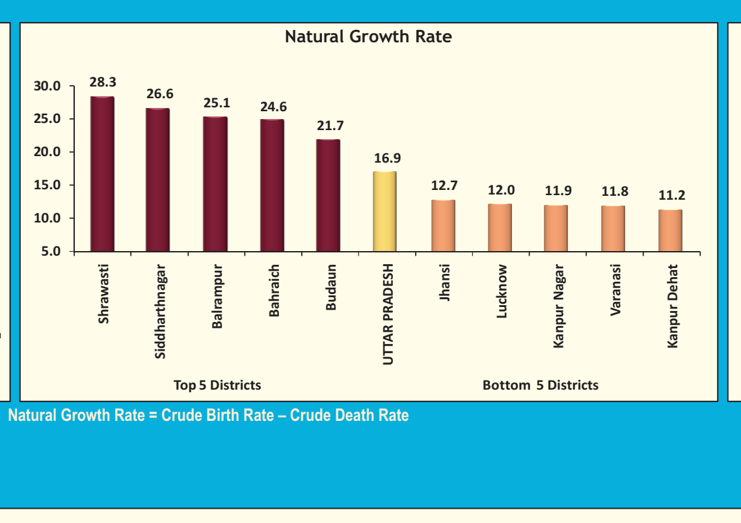


In both urban as well as rural areas death rates are higher among men than women

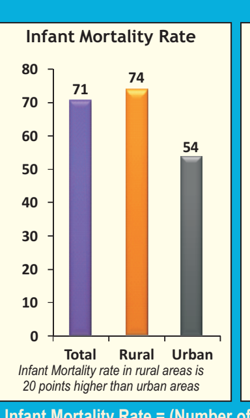
Crude Death Rate = (Number of Deaths in reference period / Mid-year population) × 1000



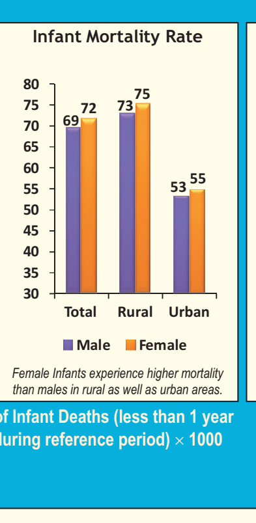
Natural Growth rate of population in rural areas is about 4 points higher than urban areas



Natural Growth Rate = Crude Birth Rate – Crude Death Rate

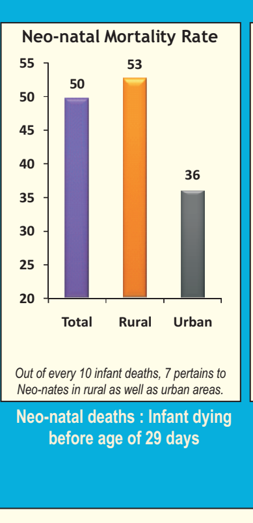


Infant Mortality rate in rural areas is 20 points higher than urban areas



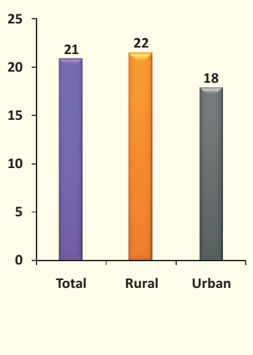
Female Infants experience higher mortality than males in rural as well as urban areas.

Infant Mortality Rate = (Number of Infant Deaths (less than 1 year of age) / Number of live births during reference period) × 1000

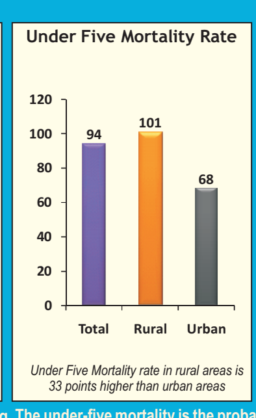


Out of every 10 infant deaths, 7 pertains to Neo-nates in rural as well as urban areas.

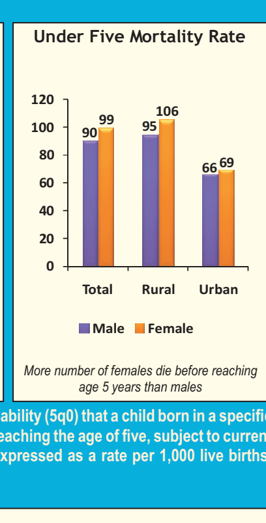
Neo-natal deaths : Infant dying before age of 29 days



Post Neo-natal deaths : Infant dying during age of 29 days to < 1 year

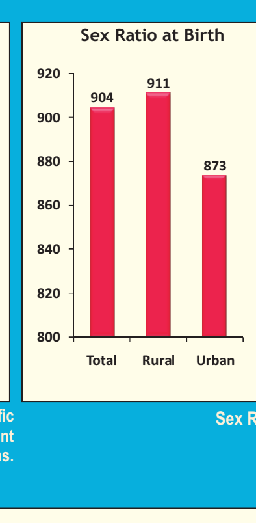


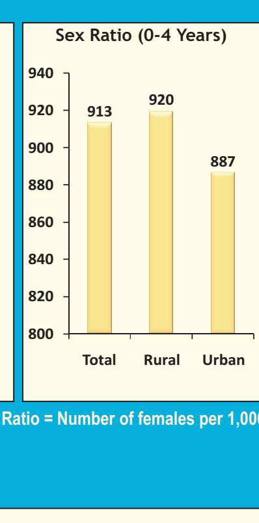
Under Five Mortality rate in rural areas is 33 points higher than urban areas

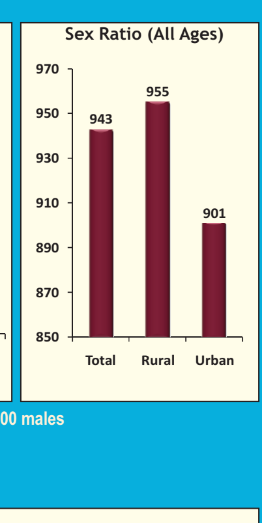


More number of females die before reaching age 5 years than males

The under-five mortality is the probability (5q0) that a child born in a specific year or time period will die before reaching the age of five, subject to current age specific mortality rates. It is expressed as a rate per 1,000 live births.

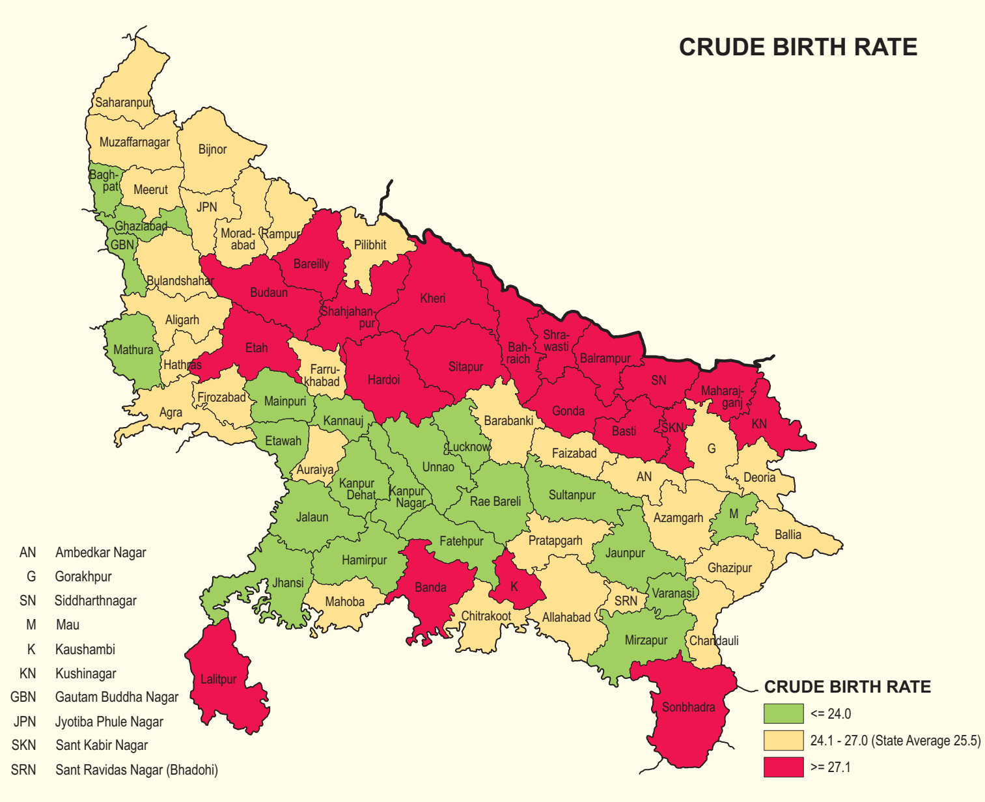


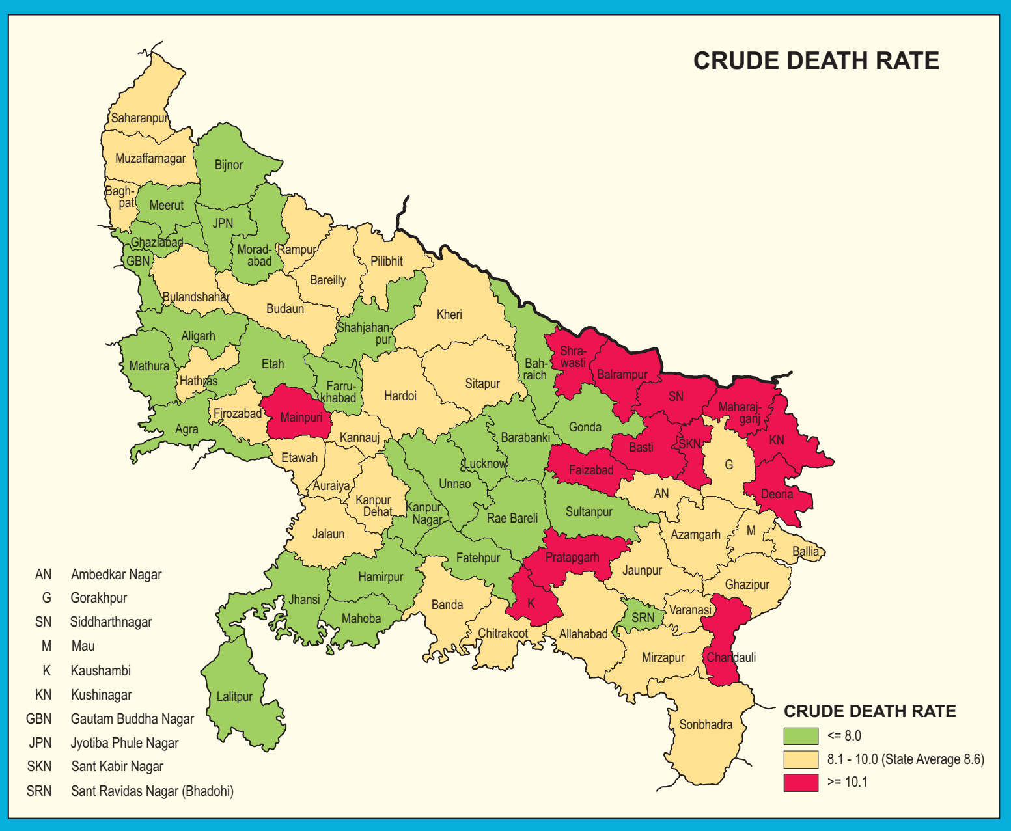


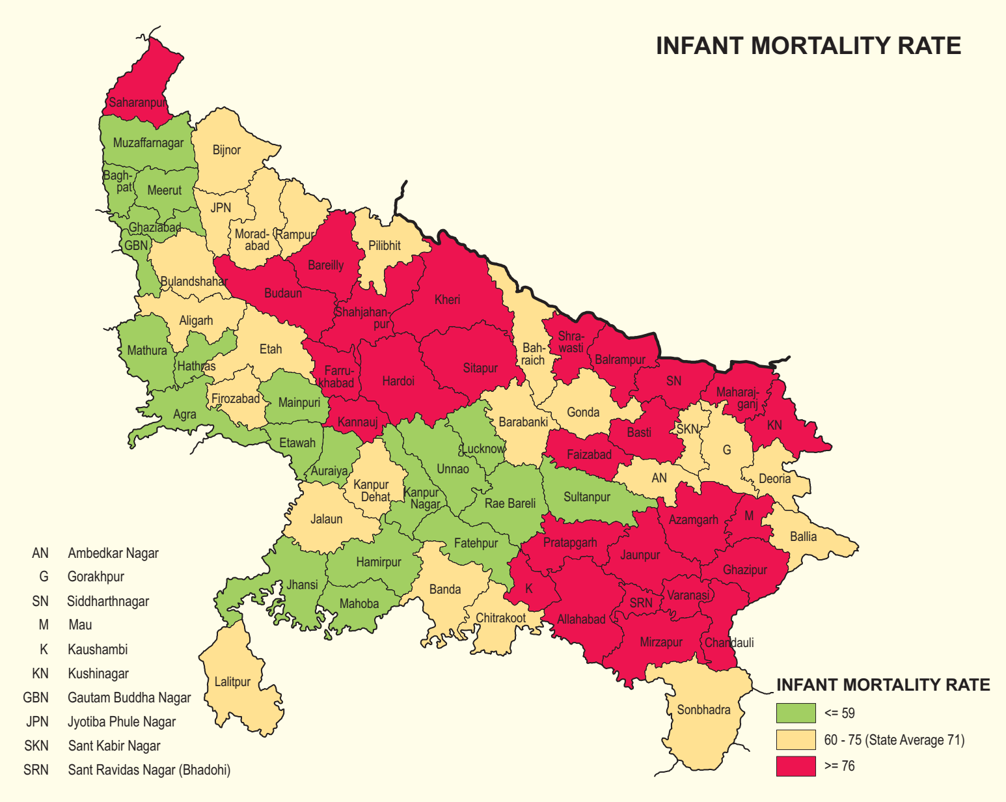


Sex Ratio = Number of females per 1,000 males

State/Commissionary/(Districts)	Sample Female Population	Sample Live Births	Maternal Deaths	MMR	95% Confidence Interval		Maternal Mortality Rate	Life Time Risk
					Lower Limit	Upper Limit		
UTTAR PRADESH	**1085186**	**336583**	**1160**	**345**	**325**	**364**	**36**	**1.24%**
SAHARANPUR MANDAL (Saharanpur, Muzaffarnagar)	32205	9790	33	337	222	452	34	1.19%
MORADABAD MANDAL (Bijnor, Moradabad, Rampur, Jyotiba Phule Nagar)	53820	16818	57	339	251	427	35	1.23%
MEERUT MANDAL (Meerut, Baghpat, Ghaziabad, Gautam Buddha Nagar, Bulandshahar)	104944	29410	75	255	197	313	24	0.83%
ALIGARH MANDAL (Aligarh, Hathras, Etah)	35840	12414	46	371	264	477	43	1.49%
AGRA MANDAL (Mathura, Agra, Firozabad, Mainpuri)	67671	21014	59	281	209	352	29	1.01%
BAREILLY MANDAL (Budaun, Bareilly, Pilibhit, Shahjahanpur)	49085	18541	81	437	342	532	55	1.91%
LUCKNOW MANDAL (Kheri, Sitapur, Hardoi, Unnao, Lucknow, Rae Bareli)	91555	26653	88	330	261	399	32	1.12%
KANPUR MANDAL (Farrukhabad, Kannauj, Etawah, Auraiya, Kanpur Dehat, Kanpur Nagar)	136318	37770	101	267	215	319	25	0.86%
JHANSI MANDAL (Jalaun, Jhansi, Lalitpur)	37837	10385	25	241	146	335	22	0.77%
CHITRAKOOT DHAM MANDAL (Hamirpur, Mahoba, Banda, Chitrakoot)	56306	19268	59	306	228	384	35	1.22%
ALLAHABAD MANDAL (Fatehpur, Pratapgarh, Kaushambi, Allahabad)	62603	19443	86	442	349	536	46	1.59%
FAIZABAD MANDAL (Barabanki, Faizabad, Ambedkar Nagar, Sultanpur)	53206	15742	71	451	346	556	44	1.55%
DEVI PATAN MANDAL (Bahraich, Shrawasti, Balrampur, Gonda)	57685	24875	108	434	352	516	62	2.16%
BASTI MANDAL (Siddharthnagar, Basti, Sant Kabir Nagar)	34770	13110	54	412	302	522	52	1.80%
GORAKHPUR MANDAL (Maharajganj, Gorakhpur, Kushinagar, Deoria)	64432	19753	70	354	272	437	36	1.26%
AZAMGARH MANDAL (Azamgarh, Mau, Ballia)	57912	16119	62	385	289	480	36	1.24%
VARANSI MANDAL (Jaunpur, Ghazipur, Chandauli, Varanasi)	62630	17352	60	346	258	433	32	1.11%
MIRZAPUR MANDAL (Sant Ravidas Nagar Bhadohi, Mirzapur, Sonbhadra)	26367	8126	25	308	187	428	32	1.10%

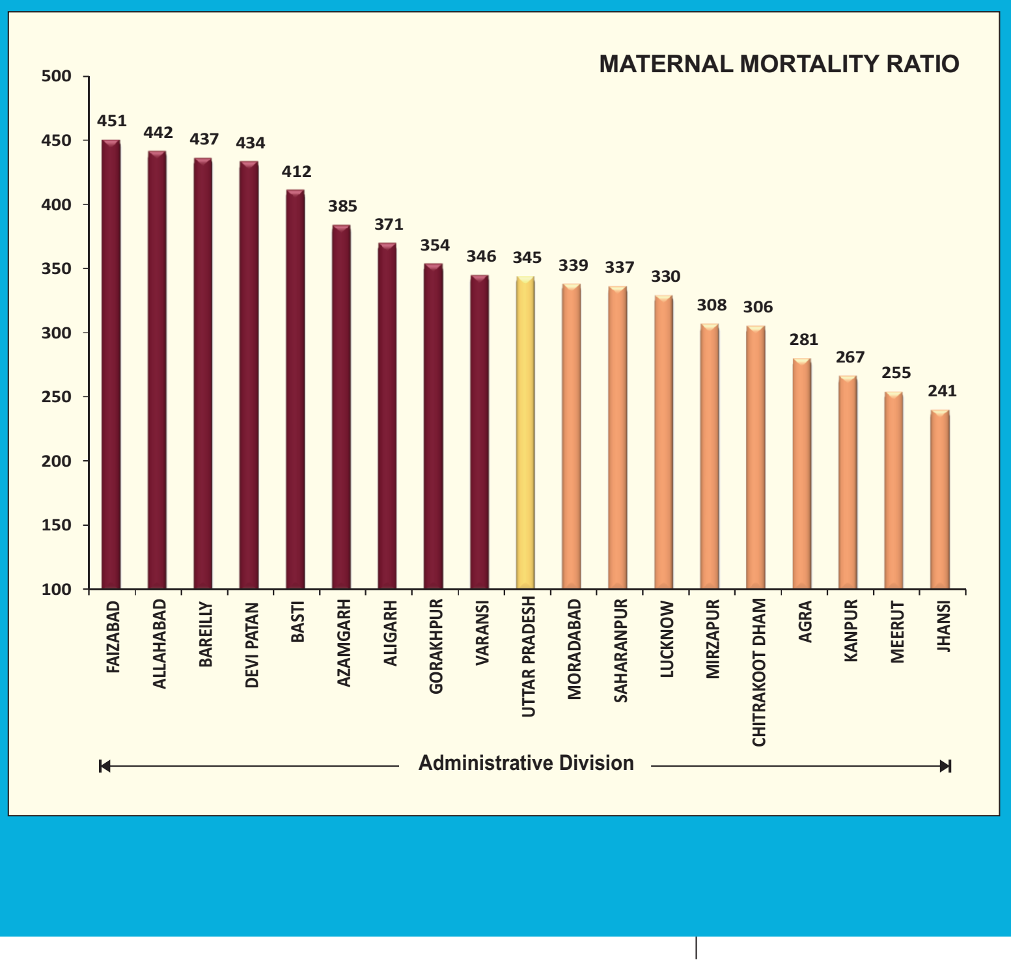


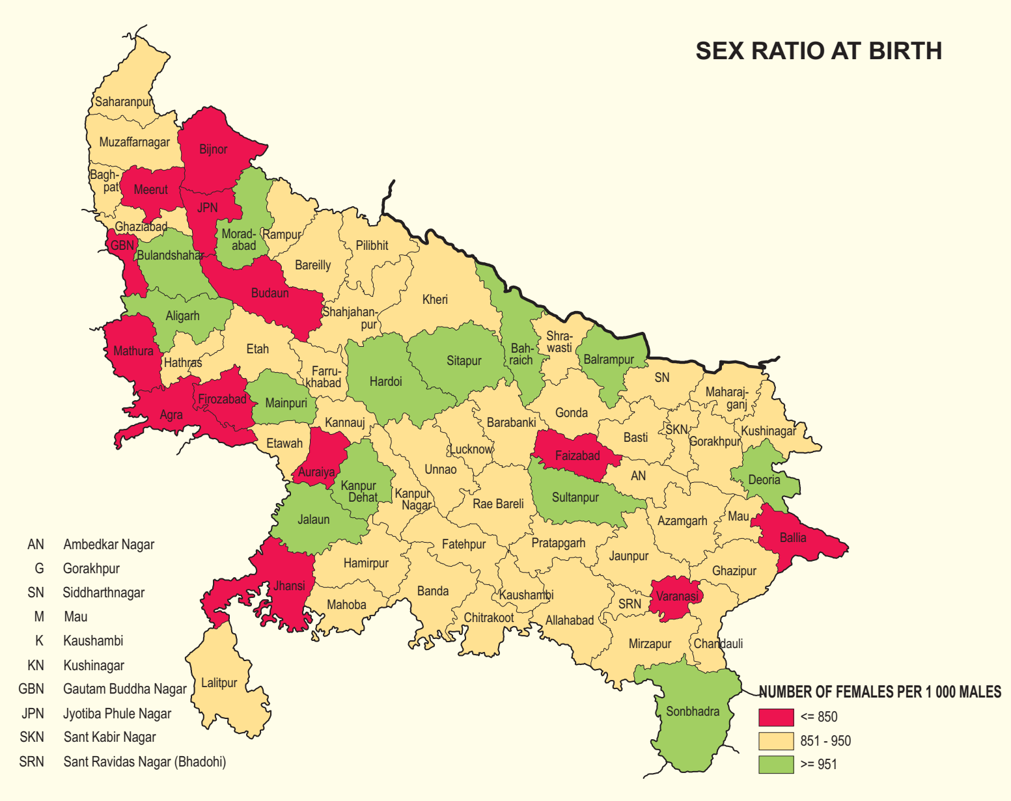


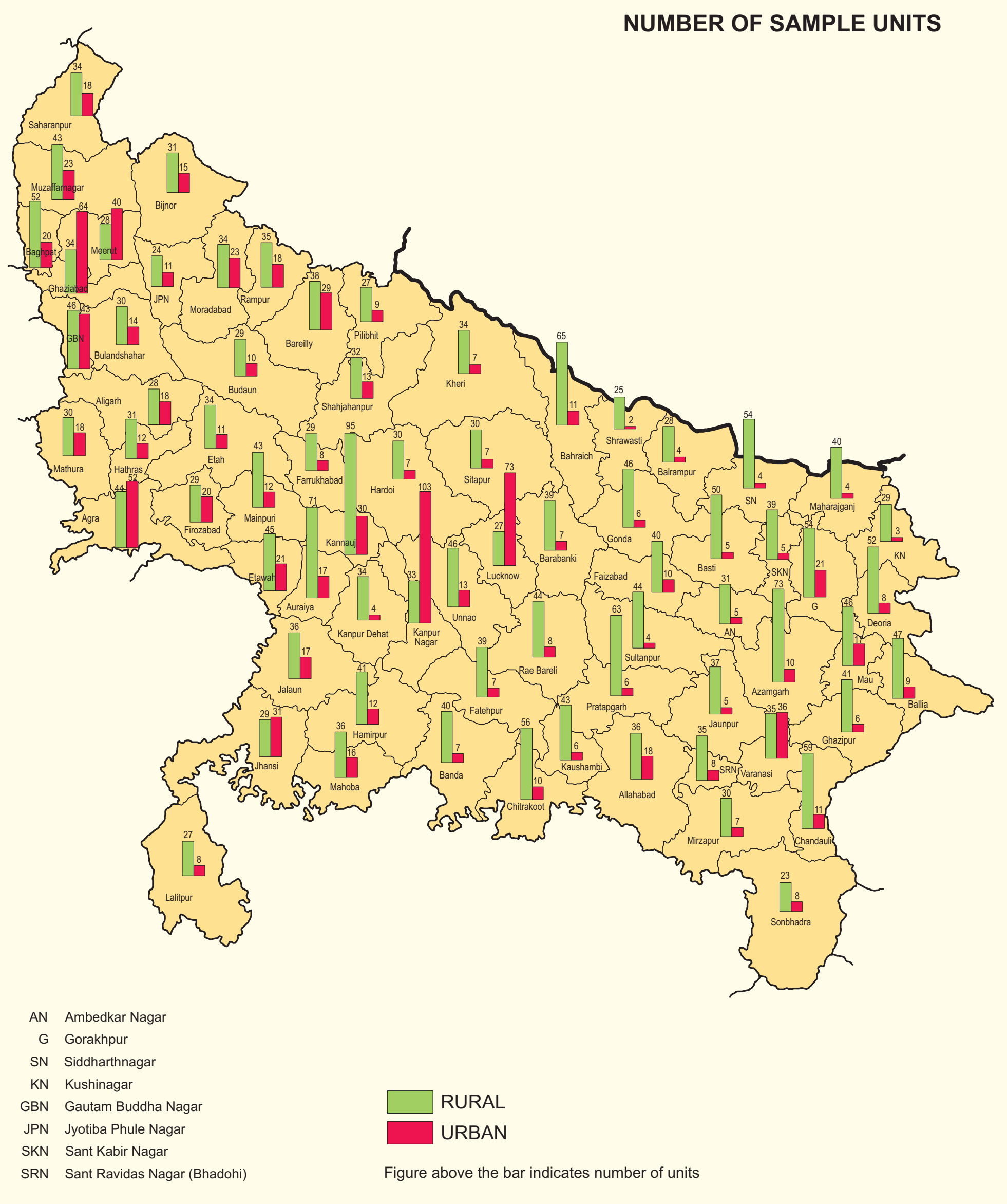


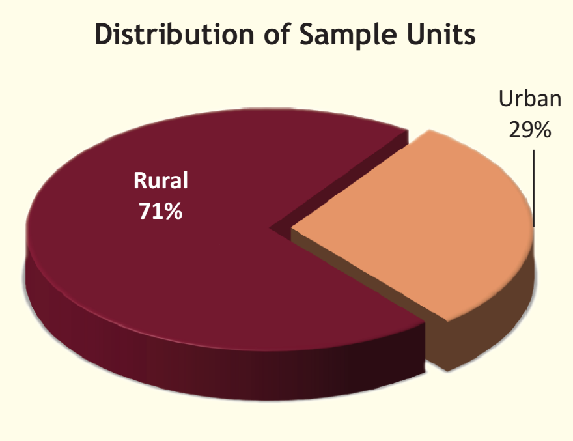
Age Group	Sample Female Deaths	Maternal Deaths	Proportion	95% Confidence Interval		Non Maternal Deaths	Proportion	95% Confidence Interval	
				Lower Limit	Upper Limit			Lower Limit	Upper Limit
15-19	1070	53	5	3	6	1017	15	14	16
20-24	1373	365	31	29	34	1008	15	14	16
25-29	1307	343	30	27	32	964	14	13	15
30-34	1048	175	15	13	17	873	13	12	14
35-39	1106	153	13	11	15	953	14	13	15
40-44	984	45	4	3	5	939	14	13	15
45-49	1108	26	2	1	3	1082	16	15	17
Total	**7996**	**1160**	**100**			**6836**	**100**		

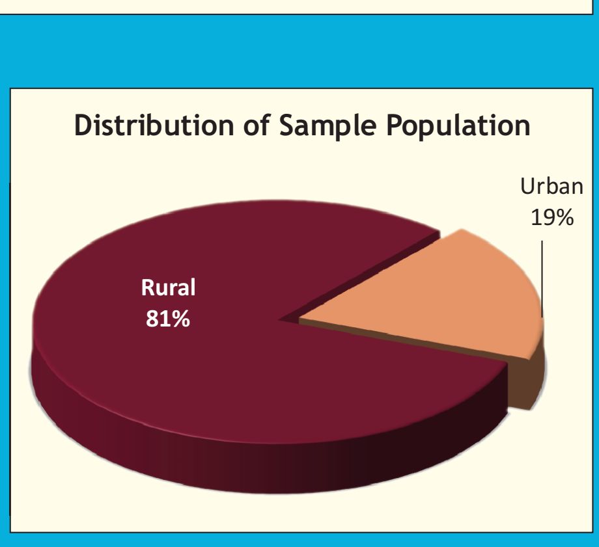
- **Maternal Mortality Ratio** = Proportion of maternal deaths per 1,00,000 live births
- **Maternal Mortality Rate** = Proportion of maternal deaths per 1,00,000 women in the ages 15-49 years
- *Life Time Risk* $= 1 - \left(1 - \frac{\text{Maternal Mortality Rate}}{100000}\right)^{35}$











District		Number of Sample Units			Population (in '000')		
		Total	Rural	Urban	Total	Rural	Urban
Uttar Pradesh		**3,927**	**2,782**	**1,145**	**4,540**	**3,681**	**859**
1	Saharanpur	52	34	18	55	45	10
2	Muzaffarnagar	66	43	23	78	63	15
3	Bijnor	46	31	15	50	39	11
4	Moradabad	57	34	23	65	47	18
5	Rampur	53	35	18	68	54	14
6	Jyotiba Phule Nagar	35	24	11	39	31	8
7	Meerut	68	28	40	75	49	26
8	Baghpat	72	52	20	95	82	13
9	Ghaziabad	98	34	64	107	53	54
10	Gautam Buddha Nagar	89	46	43	88	67	21
11	Bulandshahar	44	30	14	61	45	16
12	Aligarh	46	28	18	53	38	15
13	Hathras	43	31	12	54	44	10
14	Mathura	48	30	18	54	40	14
15	Agra	96	44	52	119	73	46
16	Firozabad	49	29	20	61	47	14
17	Etah	45	34	11	52	47	5
18	Mainpuri	55	43	12	60	51	9
19	Budaun	39	29	10	52	44	8
20	Bareilly	67	38	29	77	53	24
21	Pilibhit	36	27	9	43	37	6
22	Shahjahanpur	45	32	13	53	45	8
23	Kheri	41	34	7	57	53	4
24	Sitapur	37	30	7	47	43	4
25	Hardoi	37	30	7	51	46	5
26	Unnao	59	46	13	67	58	9
27	Lucknow	100	27	73	101	45	56
28	Rae Bareli	52	44	8	64	59	5
29	Farrukhabad	37	29	8	52	45	7
30	Kannauj	125	95	30	154	129	25
31	Etawah	66	45	21	75	62	13
32	Auraiya	88	71	17	103	88	15
33	Kanpur Dehat	38	34	4	50	47	3
34	Kanpur Nagar	136	33	103	136	38	98
35	Jalaun	53	36	17	52	41	11
36	Jhansi	60	29	31	68	38	30
37	Lalitpur	35	27	8	38	33	5
38	Hamirpur	53	41	12	62	54	8
39	Mahoba	52	36	16	60	43	17
40	Banda	47	40	7	55	51	4
41	Chitrakoot	66	56	10	80	74	6
42	Fatehpur	46	39	7	54	49	5
43	Pratapgarh	69	63	6	79	76	3
44	Kaushambi	49	43	6	61	57	4
45	Allahabad	54	36	18	59	48	11
46	Barabanki	46	39	7	57	53	4
47	Faizabad	50	40	10	59	54	5
48	Ambedkar Nagar	36	31	5	43	40	3
49	Sultanpur	48	44	4	58	55	3
50	Bahraich	76	65	11	115	109	6
51	Shrawasti	27	25	2	38	36	2
52	Balrampur	32	28	4	40	38	2
53	Gonda	52	46	6	71	67	4
54	Siddharthnagar	58	54	4	52	50	2
55	Basti	55	50	5	45	42	3
56	Sant Kabir Nagar	44	39	5	40	37	3
57	Maharajganj	44	40	4	62	58	4
58	Gorakhpur	75	54	21	81	61	20
59	Kushinagar	32	29	3	44	43	1
60	Deoria	60	52	8	59	54	5
61	Azamgarh	83	73	10	91	85	6
62	Mau	63	46	17	67	55	12
63	Ballia	56	47	9	72	65	7
64	Jaunpur	42	37	5	40	37	3
65	Ghazipur	47	41	6	58	54	4
66	Chandauli	70	59	11	82	75	7
67	Varanasi	71	35	36	73	46	27
68	Sant Ravidas Nagar Bhadohi	43	35	8	47	41	6
69	Mirzapur	37	30	7	32	29	3
70	Sonbhadra	31	23	8	30	26	4

'Total' population may not add upto 'Rural' and 'Urban' population due to rounding.

Annual Health Survey Bulletin 2010-11

Introduction:

Decentralized district-based health planning is essential in India because of the large inter-district 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 co-ordination 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 represent the selected village at the second stage of sampling.

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.

Sample 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:

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.

Survey Tools:

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 neo-natal 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.

The responsibility for the correctness of internal details rests with the publisher.

The territorial waters of India extend into the sea to a distance of twelve nautical miles measured from the appropriate base line.

The external boundaries and coastlines of India agree with the Record/Master Copy certified by Survey of India.

The state boundaries between Uttarakhand & Uttar Pradesh, Bihar & Jharkhand and Chattisgarh & Madhya Pradesh have not been verified by the Governments concerned.

The administrative headquarters of Chandigarh, Haryana and Punjab are at Chandigarh.

The interstate boundaries amongst Arunachal Pradesh, Assam and Meghalaya shown on the map are as interpreted from the North-Eastern Areas (Reorganisation) Act. 1971," but have yet to be verified.

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Printed by : Saraswati Offset Printers Pvt. Ltd., New Delhi

ANNUAL HEALTH SURVEY BULLETIN 2010-11

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