



SRS BULLETIN

SAMPLE REGISTRATION SYSTEM

REGISTRAR GENERAL, INDIA

VITAL STATISTICS DIVISION, WEST BLOCK 1, WING 1, 2ND FLOOR, R. K. PURAM, NEW DELHI-110 066

ISSN 0971-3549

Table 1: Estimated Birth rate, Death rate, Natural growth rate and Infant mortality rate, 2006

India/States/ Union Territories	Birth rate			Death rate			Natural growth rate			Infant mortality rate		
	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7	8	9	10	11	12	13
India	23.5	25.2	18.8	7.5	8.1	6.0	16.0	17.2	12.8	57	62	39
Bigger states												
1. Andhra Pradesh	18.9	19.8	16.5	7.3	7.9	5.8	11.6	11.9	10.7	56	62	38
2. Assam	24.6	26.1	15.4	8.7	9.2	5.8	15.9	17.0	9.6	67	70	42
3. Bihar	29.9	30.7	23.0	7.7	7.8	6.3	22.3	22.9	16.7	60	62	45
4. Chhattisgarh	26.9	28.5	19.9	8.1	8.5	6.3	18.8	20.0	13.6	61	62	50
5. Delhi	18.4	19.5	18.2	4.7	5.4	4.6	13.7	14.2	13.7	37	42	36
6. Gujarat	23.5	25.0	21.1	7.3	8.2	5.9	16.2	16.8	15.2	53	62	37
7. Haryana	23.9	25.1	21.1	6.5	6.9	5.6	17.4	18.2	15.5	57	62	45
8. Jammu & Kashmir	18.7	20.0	14.2	5.9	6.1	5.0	12.9	13.9	9.3	52	54	38
9. Jharkhand	26.2	28.0	18.8	7.5	7.9	5.9	18.6	20.1	12.8	49	52	32
10. Karnataka	20.1	21.5	17.7	7.1	8.0	5.5	13.0	13.4	12.2	48	53	36
11. Kerala	14.9	15.0	14.6	6.7	6.8	6.5	8.2	8.2	8.1	15	16	12
12. Madhya Pradesh	29.1	31.2	21.9	8.9	9.6	6.3	20.2	21.6	15.6	74	79	52
13. Maharashtra	18.5	19.2	17.5	6.7	7.4	5.8	11.8	11.9	11.7	35	42	26
14. Orissa	21.9	22.8	16.2	9.3	9.7	6.9	12.6	13.1	9.3	73	76	53
15. Punjab	17.8	18.4	16.8	6.8	7.4	5.8	11.0	11.0	11.0	44	48	36
16. Rajasthan	28.3	29.7	23.9	6.9	7.2	6.1	21.3	22.5	17.8	67	74	41
17. Tamil Nadu	16.2	16.5	15.9	7.5	8.3	6.4	8.8	8.3	9.5	37	39	33
18. Uttar Pradesh	30.1	31.0	26.0	8.6	9.1	6.6	21.4	21.9	19.3	71	75	53
19. West Bengal	18.4	20.7	12.3	6.2	6.2	6.3	12.2	14.5	6.0	38	40	29
Smaller states												
1. Arunachal Pradesh	22.5	23.8	17.4	5.0	5.5	2.8	17.5	18.3	14.6	40	44	19
2. Goa	15.1	13.5	16.2	7.4	8.2	6.9	7.7	5.3	9.3	15	14	16
3. Himachal Pradesh	18.8	19.5	12.4	6.8	7.1	4.8	12.0	12.4	7.6	50	52	26
4. Manipur	13.4	13.5	13.1	4.5	4.4	4.6	9.0	9.1	8.6	11	11	11
5. Meghalaya	24.7	26.4	17.1	8.0	8.5	5.8	16.7	17.8	11.3	53	54	43
6. Mizoram	17.8	21.6	14.0	5.5	6.2	4.8	12.3	15.4	9.2	25	32	13
7. Nagaland	17.3	16.8	19.2	4.8	4.9	4.1	12.5	11.9	15.0	20	18	27
8. Sikkim	19.2	19.5	17.7	5.6	5.7	4.7	13.7	13.8	13.0	33	35	16
9. Tripura	16.6	17.3	13.4	6.3	6.2	6.8	10.3	11.1	6.7	36	37	30
10. Uttarakhand	21.0	22.0	17.3	6.7	7.0	5.5	14.2	14.9	11.7	43	54	22
Union Territories												
1. Andaman & Nicobar Islands	15.7	17.1	13.2	5.1	5.7	3.8	10.7	11.4	9.4	31	35	21
2. Chandigarh	15.8	23.5	15.1	4.1	3.1	4.2	11.8	20.4	10.9	23	23	23
3. Dadra & Nagar Haveli	28.1	27.8	29.4	4.8	5.3	3.1	23.3	22.5	26.3	35	38	24
4. Daman & Diu	18.4	20.2	15.5	5.5	5.0	6.1	12.9	15.1	9.4	28	33	18
5. Lakshadweep	18.9	18.7	19.1	6.4	6.8	6.0	12.5	11.9	13.1	25	19	31
6. Puducherry	15.7	16.3	15.4	7.3	8.0	7.0	8.4	8.3	8.4	28	35	24

Note: Infant mortality rates for smaller States and Union Territories are based on three-years period 2004-06.

Published and issued by Office of the Registrar General, India, Ministry of Home Affairs, Govt. of India, 2-A Mansingh Road, New Delhi 110 011, India

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Census and Vital Statistics Website on the Internet: <http://www.censusindia.gov.in>

Table 2 : Ninety five percent confidence limits (lower and upper limits) for

India/States/ Union Territories	Birth Rate						Death Rate	
	Total		Rural		Urban		Total	
	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit
1	2	3	4	5	6	7	8	9
India	23.2	23.7	24.9	25.5	18.5	19.1	7.4	7.6
Bigger States								
1. Andhra Pradesh	18.1	19.6	18.9	20.8	15.2	17.7	6.9	7.7
2. Assam	22.2	26.9	23.4	28.9	14.4	16.3	8.1	9.3
3. Bihar	29.2	30.7	29.9	31.5	21.5	24.5	7.3	8.0
4. Chhattisgarh	24.6	29.2	25.7	31.4	18.3	21.6	7.0	9.2
5. Delhi	17.2	19.6	16.2	22.8	17.0	19.5	4.3	5.1
6. Gujarat	22.5	24.5	23.6	26.4	19.7	22.5	6.9	7.7
7. Haryana	22.4	25.4	23.0	27.2	19.7	22.6	6.0	7.0
8. Jammu & Kashmir	17.8	19.6	18.9	21.0	12.7	15.8	5.5	6.2
9. Jharkhand	24.9	27.4	26.5	29.5	17.8	19.8	7.0	8.1
10. Karnataka	19.3	21.0	20.3	22.7	16.7	18.7	6.7	7.6
11. Kerala	14.2	15.6	14.2	15.8	13.3	15.9	6.4	7.0
12. Madhya Pradesh	28.1	30.1	30.0	32.4	20.3	23.5	8.5	9.3
13. Maharashtra	18.0	19.0	18.7	19.7	16.5	18.5	6.4	6.9
14. Orissa	21.1	22.7	22.0	23.7	14.9	17.6	8.9	9.7
15. Punjab	17.0	18.6	17.6	19.2	15.4	18.3	6.4	7.2
16. Rajasthan	27.2	29.3	28.4	31.0	22.0	25.7	6.5	7.3
17. Tamil Nadu	15.7	16.8	15.9	17.2	15.1	16.7	7.2	7.8
18. Uttar Pradesh	29.2	30.9	30.0	32.1	24.5	27.4	8.3	9.0
19. West Bengal	17.7	19.1	19.8	21.7	11.4	13.1	5.9	6.5
Smaller States								
1. Arunachal Pradesh	20.0	25.1	20.6	26.9	14.2	20.5		
2. Goa	13.7	16.6	12.3	14.6	14.0	18.5		
3. Himachal Pradesh	17.4	20.3	17.9	21.1	10.8	14.0		
4. Manipur	12.4	14.5	12.4	14.7	10.7	15.6		
5. Meghalaya	22.1	27.3	23.3	29.5	13.4	20.9		
6. Mizoram	15.4	20.2	17.4	25.8	11.9	16.0		
7. Nagaland	15.4	19.1	14.8	18.8	14.8	23.6		
8. Sikkim	17.8	20.6	17.9	21.0	15.5	19.9		
9. Tripura	15.3	18.0	15.9	18.8	10.3	16.6		
10. Uttarakhand	17.0	24.9	16.9	27.0	15.1	19.4		
Union Territories								
1. Andaman & Nicobar Islands	13.5	17.9	14.2	20.0	10.5	16.0		
2. Chandigarh	13.2	18.5	20.8	26.2	12.1	18.1		
3. Dadra & Nagar Haveli	26.0	30.2	25.2	30.3	27.1	31.6		
4. Daman & Diu	16.1	20.7	17.9	22.4	10.2	20.9		
5. Lakshadweep	17.2	20.6	16.2	21.2	16.8	21.3		
6. Puducherry	14.1	17.4	14.3	18.3	13.2	17.7		

Note : Ninety five percent confidence limits for Birth rate, Death rate and Infant mortality rate have been estimated using the formulae $BR \pm 2 \text{ S.E.}(BR)$, $DR \pm 2 \text{ S.E.}(DR)$ and $IMR \pm 2 \text{ S.E.}(IMR)$ respectively.

Birth Rate, Death Rate and Infant Mortality Rate, 2006

Death Rate				Infant Mortality Rate						India/States/ Union Territories
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	
10	11	12	13	14	15	16	17	18	19	1
7.9	8.2	5.8	6.2	56	59	61	64	37	41	India
Bigger States										
7.5	8.4	5.2	6.4	51	61	56	68	30	47	1. Andhra Pradesh
8.5	9.9	5.3	6.3	59	76	60	80	34	50	2. Assam
7.5	8.2	5.6	6.9	55	66	56	68	38	51	3. Bihar
7.2	9.8	5.6	7.0	54	68	54	70	43	58	4. Chhattisgarh
4.2	6.5	4.2	5.0	30	44	29	54	28	45	5. Delhi
7.8	8.6	5.2	6.6	49	57	56	68	30	43	6. Gujarat
6.3	7.5	5.0	6.2	51	63	54	69	39	52	7. Haryana
5.7	6.4	4.3	5.7	47	57	49	60	27	50	8. Jammu & Kashmir
7.3	8.6	5.3	6.6	42	56	44	60	23	41	9. Jharkhand
7.5	8.6	4.9	6.1	41	55	44	62	29	44	10. Karnataka
6.4	7.1	5.8	7.3	11	19	11	21	5	19	11. Kerala
9.1	10.1	5.6	7.0	69	80	73	85	46	58	12. Madhya Pradesh
7.1	7.6	5.3	6.3	32	39	38	46	19	33	13. Maharashtra
9.3	10.1	6.3	7.5	67	79	69	82	43	62	14. Orissa
6.9	7.9	5.2	6.4	38	50	40	56	28	44	15. Punjab
6.7	7.7	5.5	6.7	61	72	67	80	34	48	16. Rajasthan
7.8	8.7	5.9	6.8	33	41	35	44	27	39	17. Tamil Nadu
8.7	9.5	6.0	7.2	67	75	70	80	48	57	18. Uttar Pradesh
5.9	6.5	5.9	6.7	34	42	35	45	23	35	19. West Bengal
Smaller States										
1. Arunachal Pradesh										
2. Goa										
3. Himachal Pradesh										
4. Manipur										
5. Meghalaya										
6. Mizoram										
7. Nagaland										
8. Sikkim										
9. Tripura										
10. Uttarakhand										
Union Territories										
1. Andaman & Nicobar Islands										
2. Chandigarh										
3. Dadra & Nagar Haveli										
4. Daman & Diu										
5. Lakshadweep										
6. Puducherry										

Confidence limits of Death Rate and Infant Mortality Rate for smaller States and Union Territories have not been presented due to small sample size and very large variations between the Upper and Lower tolerance limits.

Table 3: Death rate by sex and residence, 2006

India/States/ Union Territories	Total			Rural			Urban		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
1	2	3	4	5	6	7	8	9	10
India	7.5	8.0	7.0	8.1	8.5	7.6	6.0	6.6	5.4
Bigger States									
1. Andhra Pradesh	7.3	8.5	6.1	7.9	9.4	6.5	5.8	6.5	5.1
2. Assam	8.7	9.2	8.1	9.2	9.7	8.7	5.8	6.7	4.8
3. Bihar	7.7	7.4	7.9	7.8	7.6	8.1	6.3	6.0	6.6
4. Chhattisgarh	8.1	8.7	7.5	8.5	9.0	8.1	6.3	7.4	5.2
5. Delhi	4.7	5.0	4.3	5.4	6.3	4.3	4.6	4.8	4.3
6. Gujarat	7.3	7.8	6.8	8.2	8.8	7.6	5.9	6.2	5.6
7. Haryana	6.5	7.3	5.6	6.9	7.7	6.0	5.6	6.5	4.5
8. Jammu & Kashmir	5.9	6.4	5.2	6.1	6.7	5.4	5.0	5.3	4.7
9. Jharkhand	7.5	7.0	8.1	7.9	7.3	8.6	5.9	6.1	5.7
10. Karnataka	7.1	8.0	6.3	8.0	8.9	7.2	5.5	6.3	4.6
11. Kerala	6.7	7.5	5.9	6.8	7.7	5.9	6.5	7.0	6.0
12. Madhya Pradesh	8.9	9.1	8.6	9.6	9.8	9.5	6.3	6.7	5.8
13. Maharashtra	6.7	7.3	6.1	7.4	7.8	6.9	5.8	6.7	4.9
14. Orissa	9.3	9.8	8.8	9.7	10.2	9.2	6.9	7.5	6.2
15. Punjab	6.8	7.4	6.1	7.4	7.9	6.7	5.8	6.6	4.9
16. Rajasthan	6.9	7.4	6.5	7.2	7.7	6.7	6.1	6.2	5.9
17. Tamil Nadu	7.5	8.4	6.6	8.3	9.2	7.4	6.4	7.3	5.5
18. Uttar Pradesh	8.6	8.8	8.5	9.1	9.2	8.9	6.6	6.8	6.4
19. West Bengal	6.2	6.8	5.6	6.2	6.7	5.7	6.3	7.2	5.3
Smaller States									
1. Arunachal Pradesh	5.0	5.1	4.9	5.5	5.7	5.3	2.8	2.4	3.2
2. Goa	7.4	8.1	6.7	8.2	9.0	7.4	6.9	7.5	6.3
3. Himachal Pradesh	6.8	8.4	5.4	7.1	8.7	5.5	4.8	5.3	4.3
4. Manipur	4.5	5.3	3.6	4.4	5.4	3.4	4.6	5.0	4.1
5. Meghalaya	8.0	9.1	7.0	8.5	9.6	7.4	5.8	6.7	5.0
6. Mizoram	5.5	6.7	4.3	6.2	7.6	4.7	4.8	5.6	4.0
7. Nagaland	4.8	5.7	3.8	4.9	5.8	4.0	4.1	5.2	3.0
8. Sikkim	5.6	5.3	5.8	5.7	5.4	6.0	4.7	5.0	4.3
9. Tripura	6.3	7.1	5.5	6.2	7.0	5.4	6.8	7.4	6.1
10. Uttarakhand	6.7	7.6	5.8	7.0	7.9	6.1	5.5	6.5	4.5
Union Territories									
1. Andaman & Nicobar Islands	5.1	6.0	4.1	5.7	5.9	5.6	3.8	6.1	1.4
2. Chandigarh	4.1	4.3	3.8	3.1	3.0	3.2	4.2	4.4	3.9
3. Dadra & Nagar Haveli	4.8	5.4	4.1	5.3	6.0	4.5	3.1	3.3	2.8
4. Daman & Diu	5.5	5.9	5.0	5.0	5.5	4.5	6.1	6.4	5.8
5. Lakshadweep	6.4	7.3	5.5	6.8	6.4	7.3	6.0	8.2	3.9
6. Puducherry	7.3	8.2	6.5	8.0	8.9	7.1	7.0	7.9	6.2

Table 4: Infant mortality rate by sex and residence, 2006

India/States/ Union Territories	Total			Rural			Urban		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
1	2	3	4	5	6	7	8	9	10
India	57	56	59	62	61	64	39	37	40
Bigger States									
1. Andhra Pradesh	56	55	58	62	61	63	38	37	41
2. Assam	67	67	68	70	69	71	42	41	43
3. Bihar	60	58	63	62	59	64	45	43	47
4. Chhattisgarh	61	59	62	62	61	64	50	48	53
5. Delhi	37	36	39	42	40	44	36	35	38
6. Gujarat	53	52	54	62	60	64	37	36	37
7. Haryana	57	57	58	62	61	62	45	45	45
8. Jammu & Kashmir	52	51	53	54	54	55	38	33	44
9. Jharkhand	49	46	52	52	49	55	32	32	33
10. Karnataka	48	46	50	53	50	57	36	36	35
11. Kerala	15	14	16	16	15	17	12	11	14
12. Madhya Pradesh	74	72	77	79	77	81	52	50	54
13. Maharashtra	35	35	36	42	41	42	26	25	27
14. Orissa	73	73	74	76	75	76	53	52	54
15. Punjab	44	39	50	48	41	57	36	34	38
16. Rajasthan	67	65	69	74	72	76	41	40	42
17. Tamil Nadu	37	36	37	39	38	41	33	33	33
18. Uttar Pradesh	71	70	73	75	74	76	53	51	54
19. West Bengal	38	37	40	40	39	42	29	27	31
Smaller States									
1. Arunachal Pradesh	40	38	43						
2. Goa	15	16	14						
3. Himachal Pradesh	50	45	55						
4. Manipur	11	10	13						
5. Meghalaya	53	53	52						
6. Mizoram	25	24	25						
7. Nagaland	20	17	23						
8. Sikkim	33	26	40						
9. Tripura	36	31	41						
10. Uttarakhand	43	42	44						
<p>Infant mortality rates for smaller States and Union Territories are based on three-years period 2004-06. On account of wide year-to-year fluctuations due to inadequate sample size, the infant mortality rate by sex, separately for rural and urban areas is not given.</p>									
Union Territories									
1. Andaman & Nicobar Islands	31	27	36						
2. Chandigarh	23	20	27						
3. Dadra & Nagar Haveli	35	28	44						
4. Daman & Diu	28	28	28						
5. Lakshadweep	25	29	21						
6. Puducherry	28	20	36						

ABOUT THE SAMPLE REGISTRATION SYSTEM (SRS)

The Sample Registration System (SRS) is a large-scale demographic survey for providing reliable annual estimates of birth rate, death rate and other fertility & mortality indicators at the national and sub-national levels. Initiated on a pilot basis by the OFFICE OF THE REGISTRAR GENERAL, INDIA in a few selected states in 1964-65, it became fully operational during 1969-70 with about 3700 sample units. The field investigation consists of continuous enumeration of births and deaths in selected sample units by resident part time enumerators, generally anganwadi workers & teachers, and an independent survey every six months by SRS supervisors. The data obtained by these two independent functionaries are matched. The unmatched and partially matched events are re-verified in the field and thereafter an unduplicated count of births and deaths is obtained. The sample unit in rural areas is a village or a segment of it, if the village population is 2000 or more. In urban areas, the sampling unit is a census enumeration block with population ranging from 750 to 1000. The SRS sample is replaced every ten years based on the latest census frame. It had been a practice to stagger the replacement process over 2-3 years. However, the latest replacement has been carried out in one go. Effective from January 2004, this sample is based on the 2001 Census frame. At present, SRS is operational in 7,597 sample units (4,433 rural and 3,164 urban) spread across all States and Union territories and covers about 1.3 million households and 6.93 million population.

Number of sample units and population covered, India, States and Union Territories, 2006

India/States/ Union Territories	Number of sample units			Population covered (in'000)		
	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7
India	7,597	4,433	3,164	6932	5085	1848
Bigger States						
1. Andhra Pradesh	375	235	140	398	313	85
2. Assam	300	90	210	198	87	111
3. Bihar	330	200	130	340	275	65
4. Chhattisgarh	130	40	90	99	40	59
5. Delhi	200	10	190	147	18	129
6. Gujarat	365	215	150	353	275	78
7. Haryana	210	100	110	205	132	73
8. Jammu & Kashmir	260	150	110	216	166	50
9. Jharkhand	170	60	110	114	59	54
10. Karnataka	480	330	150	432	353	79
11. Kerala	250	150	100	337	276	62
12. Madhya Pradesh	340	220	120	308	236	72
13. Maharashtra	485	250	235	401	271	130
14. Orissa	405	290	115	329	263	66
15. Punjab	250	150	100	237	171	65
16. Rajasthan	350	250	100	323	273	50
17. Tamil Nadu	465	250	215	457	325	132
18. Uttar Pradesh	500	350	150	546	449	97
19. West Bengal	555	310	245	569	412	158
Smaller States						
1. Arunachal Pradesh	60	45	15	31	21	10
2. Goa	85	43	42	78	55	22
3. Himachal Pradesh	190	140	50	93	67	26
4. Manipur	150	110	40	131	107	24
5. Meghalaya	120	90	30	63	46	16
6. Mizoram	40	20	20	30	17	13
7. Nagaland	45	33	12	35	28	7
8. Sikkim	60	45	15	58	49	9
9. Tripura	80	60	20	105	93	11
10. Uttarakhand	150	100	50	110	80	30
Union Territories						
1. Andaman & Nicobar Islands	50	34	16	34	25	9
2. Chandigarh	35	5	30	31	10	21
3. Dadra & Nagar Haveli	30	22	8	38	33	5
4. Daman & Diu	20	13	7	28	24	5
5. Lakshadweep	12	6	6	14	10	5
6. Puducherry	50	17	33	45	25	20

Note: 1. Population figures exclude that of 2 rural units of Chhattisgarh, 1 rural unit of Maharashtra, and 4 rural units of Andaman & Nicobar Islands due to non-receipt of returns.

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