



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

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Table 1: Estimated Birth rate, Death rate, Natural growth rate and Infant mortality rate, 2008

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	22.8	24.4	18.5	7.4	8.0	5.9	15.4	16.5	12.6	53	58	36
Bigger states												
1. Andhra Pradesh	18.4	19.1	16.8	7.5	8.3	5.7	10.9	10.8	11.1	52	58	36
2. Assam	23.9	25.3	15.7	8.6	9.0	5.6	15.4	16.2	10.1	64	66	39
3. Bihar	28.9	29.7	22.5	7.3	7.4	6.0	21.6	22.3	16.5	56	57	42
4. Chhattisgarh	26.1	27.6	19.3	8.1	8.5	6.4	18.0	19.2	12.9	57	59	48
5. Delhi	18.4	20.2	18.1	4.8	5.1	4.7	13.6	15.1	13.4	35	40	34
6. Gujarat	22.6	24.1	20.3	6.9	8.0	5.4	15.7	16.1	14.9	50	58	35
7. Haryana	23.0	24.2	20.4	6.9	7.3	5.9	16.1	16.8	14.5	54	58	43
8. Jammu & Kashmir	18.8	20.2	14.0	5.8	6.0	4.9	13.1	14.2	9.1	49	51	37
9. Jharkhand	25.8	27.5	18.9	7.1	7.5	5.2	18.7	19.9	13.7	46	49	32
10. Karnataka	19.8	20.9	17.9	7.4	8.5	5.5	12.4	12.4	12.4	45	50	33
11. Kerala	14.6	14.6	14.6	6.6	6.7	6.4	8.0	7.9	8.2	12	12	10
12. Madhya Pradesh	28.0	30.0	21.1	8.6	9.4	6.0	19.4	20.7	15.1	70	75	48
13. Maharashtra	17.9	18.4	17.2	6.6	7.4	5.6	11.3	11.0	11.6	33	40	23
14. Orissa	21.4	22.2	16.0	9.0	9.4	6.9	12.3	12.9	9.1	69	71	49
15. Punjab	17.3	18.0	16.1	7.2	8.0	6.0	10.1	10.1	10.1	41	45	33
16. Rajasthan	27.5	28.8	23.5	6.8	7.0	6.1	20.7	21.8	17.4	63	69	38
17. Tamil Nadu	16.0	16.2	15.8	7.4	8.2	6.3	8.6	8.0	9.4	31	34	28
18. Uttar Pradesh	29.1	30.0	25.1	8.4	8.8	6.6	20.7	21.2	18.4	67	70	49
19. West Bengal	17.5	19.4	12.4	6.2	6.1	6.6	11.2	13.3	5.8	35	37	29
Smaller states												
1. Arunachal Pradesh	21.8	23.1	15.2	5.2	5.6	3.0	16.6	17.5	12.1	32	34	19
2. Goa	13.6	13.4	13.8	6.6	8.1	5.7	7.1	5.3	8.2	10	10	11
3. Himachal Pradesh	17.7	18.2	12.1	7.4	7.7	4.7	10.3	10.6	7.4	44	45	27
4. Manipur	15.8	15.9	15.7	5.0	4.8	5.4	10.9	11.1	10.3	14	16	8
5. Meghalaya	25.2	27.3	15.6	7.9	8.4	5.4	17.3	18.9	10.2	58	60	43
6. Mizoram	17.8	22.0	13.4	5.1	5.9	4.2	12.8	16.1	9.2	37	45	24
7. Nagaland	17.5	17.8	16.4	4.6	5.0	3.3	12.9	12.9	13.0	26	25	28
8. Sikkim	18.4	18.7	16.6	5.2	5.4	3.7	13.2	13.3	12.8	33	35	19
9. Tripura	15.4	16.1	12.0	5.9	6.0	5.2	9.5	10.1	6.8	34	36	26
10. Uttarakhand	20.1	21.0	16.5	6.4	6.7	5.6	13.6	14.4	10.9	44	48	24
Union Territories												
1. Andaman & Nicobar Islands	16.9	16.9	17.1	4.8	5.5	3.6	12.1	11.4	13.4	31	35	23
2. Chandigarh	16.4	22.6	15.8	4.4	3.1	4.6	11.9	19.6	11.2	28	22	29
3. Dadra & Nagar Haveli	27.0	26.4	29.2	5.4	6.1	3.0	21.6	20.4	26.2	34	38	20
4. Daman & Diu	17.5	17.3	17.9	5.3	5.4	5.2	12.2	12.0	12.6	31	29	36
5. Lakshadweep	14.3	15.7	12.9	7.1	6.4	7.8	7.1	9.3	5.0	31	28	35
6. Puducherry	16.4	16.4	16.4	7.5	8.8	6.9	8.9	7.6	9.5	25	31	22

Note: Infant mortality rates for smaller States and Union Territories are based on three-years period 2006-08.

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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	22.6	23.0	24.1	24.7	18.2	18.8	7.3	7.5
Bigger States								
1. Andhra Pradesh	17.8	19.0	18.3	19.9	16.0	17.6	7.1	7.9
2. Assam	22.0	25.8	23.1	27.5	14.7	16.7	8.0	9.1
3. Bihar	28.0	29.9	28.6	30.7	21.1	24.0	7.0	7.6
4. Chhattisgarh	24.2	28.0	25.4	29.9	17.6	21.0	7.2	9.0
5. Delhi	17.3	19.6	16.1	24.2	17.0	19.2	4.4	5.2
6. Gujarat	21.5	23.7	22.7	25.5	18.7	21.9	6.6	7.3
7. Haryana	22.0	24.0	22.8	25.5	18.8	22.1	6.4	7.3
8. Jammu & Kashmir	18.0	19.7	19.2	21.2	12.8	15.1	5.4	6.1
9. Jharkhand	24.5	27.1	25.9	29.1	17.6	20.3	6.5	7.7
10. Karnataka	19.0	20.7	19.7	22.1	17.0	18.9	7.0	7.9
11. Kerala	14.0	15.2	13.9	15.3	13.4	15.7	6.3	6.9
12. Madhya Pradesh	27.1	28.9	28.9	31.1	19.5	22.8	8.2	9.0
13. Maharashtra	17.4	18.4	18.0	18.9	16.2	18.2	6.4	6.9
14. Orissa	20.5	22.2	21.2	23.2	14.7	17.3	8.6	9.4
15. Punjab	16.6	18.0	17.2	18.9	14.8	17.5	6.8	7.6
16. Rajasthan	26.6	28.4	27.6	29.9	21.7	25.3	6.4	7.2
17. Tamil Nadu	15.6	16.4	15.6	16.8	15.1	16.4	7.1	7.7
18. Uttar Pradesh	28.3	29.8	29.2	30.9	23.5	26.6	8.1	8.8
19. West Bengal	16.8	18.1	18.5	20.3	11.6	13.2	6.0	6.5
Smaller States								
1. Arunachal Pradesh	19.7	24.0	20.6	25.6	11.6	18.7		
2. Goa	12.3	15.0	12.3	14.4	11.7	15.9		
3. Himachal Pradesh	16.4	18.9	16.8	19.6	10.6	13.7		
4. Manipur	14.8	16.9	14.6	17.2	14.2	17.2		
5. Meghalaya	23.1	27.3	24.8	29.8	12.5	18.7		
6. Mizoram	15.5	20.2	18.3	25.8	11.3	15.6		
7. Nagaland	15.5	19.6	15.4	20.3	13.7	19.0		
8. Sikkim	17.3	19.5	17.5	19.8	13.5	19.6		
9. Tripura	14.4	16.4	14.9	17.4	10.4	13.7		
10. Uttarakhand	16.2	24.0	16.1	26.0	14.1	18.8		
Union Territories								
1. Andaman & Nicobar Islands	15.2	18.7	14.7	19.1	14.3	19.9		
2. Chandigarh	13.7	19.0	18.5	26.8	12.9	18.7		
3. Dadra & Nagar Haveli	24.4	29.6	24.4	28.5	19.9	38.5		
4. Daman & Diu	15.4	19.7	15.5	19.1	13.2	22.6		
5. Lakshadweep	12.2	16.4	12.8	18.6	9.7	16.0		
6. Puducherry	14.8	17.9	14.6	18.2	14.2	18.5		

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, 2008

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
7.8	8.1	5.8	6.1	52	55	57	60	34	38	India
Bigger States										
7.8	8.7	5.2	6.3	46	58	51	65	29	44	1. Andhra Pradesh
8.4	9.7	5.1	6.1	55	72	56	76	30	48	2. Assam
7.1	7.8	5.3	6.7	52	59	53	61	33	51	3. Bihar
7.4	9.5	5.7	7.1	50	65	50	67	39	57	4. Chhattisgarh
4.4	5.9	4.3	5.1	29	41	26	53	27	41	5. Delhi
7.5	8.4	4.8	5.9	45	56	52	65	26	44	6. Gujarat
6.7	7.9	5.2	6.6	49	59	51	64	34	51	7. Haryana
5.7	6.3	4.1	5.6	44	54	46	57	24	49	8. Jammu & Kashmir
6.8	8.3	4.6	5.8	38	55	39	58	23	41	9. Jharkhand
8.0	9.1	4.9	6.2	39	51	43	58	25	42	10. Karnataka
6.3	7.0	5.7	7.0	8	15	8	16	4	16	11. Kerala
8.9	9.8	5.4	6.6	64	76	67	82	41	54	12. Madhya Pradesh
7.2	7.7	5.1	6.0	29	37	36	43	16	30	13. Maharashtra
8.9	9.8	6.2	7.6	63	75	65	78	40	58	14. Orissa
7.5	8.5	5.4	6.7	37	46	40	51	24	42	15. Punjab
6.5	7.4	5.5	6.7	59	67	64	74	28	47	16. Rajasthan
7.9	8.6	5.9	6.7	27	35	28	39	22	35	17. Tamil Nadu
8.4	9.3	6.1	7.2	63	71	66	75	41	57	18. Uttar Pradesh
5.8	6.4	6.1	7.1	32	39	33	41	21	36	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, 2008

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	7.4	8.0	6.8	8.0	8.5	7.3	5.9	6.5	5.3
Bigger States									
1. Andhra Pradesh	7.5	8.3	6.7	8.3	9.2	7.3	5.7	6.2	5.3
2. Assam	8.6	9.5	7.6	9.0	10.0	8.0	5.6	6.3	4.8
3. Bihar	7.3	7.6	6.9	7.4	7.8	7.0	6.0	6.4	5.5
4. Chhattisgarh	8.1	9.1	7.0	8.5	9.5	7.4	6.4	7.5	5.3
5. Delhi	4.8	5.3	4.1	5.1	5.2	5.0	4.7	5.3	4.0
6. Gujarat	6.9	7.5	6.3	8.0	8.7	7.2	5.4	5.9	4.8
7. Haryana	6.9	7.6	6.1	7.3	8.2	6.3	5.9	6.2	5.6
8. Jammu & Kashmir	5.8	6.4	5.1	6.0	6.6	5.4	4.9	5.6	4.1
9. Jharkhand	7.1	7.4	6.7	7.5	7.7	7.3	5.2	5.9	4.4
10. Karnataka	7.4	8.3	6.6	8.5	9.4	7.7	5.5	6.3	4.8
11. Kerala	6.6	7.7	5.6	6.7	7.8	5.6	6.4	7.3	5.5
12. Madhya Pradesh	8.6	9.2	8.0	9.4	10.0	8.7	6.0	6.4	5.6
13. Maharashtra	6.6	7.2	6.1	7.4	8.0	6.8	5.6	6.1	5.0
14. Orissa	9.0	9.5	8.5	9.4	9.9	8.9	6.9	7.4	6.4
15. Punjab	7.2	8.1	6.3	8.0	9.0	6.8	6.0	6.6	5.4
16. Rajasthan	6.8	7.0	6.6	7.0	7.2	6.8	6.1	6.4	5.9
17. Tamil Nadu	7.4	8.3	6.5	8.2	9.2	7.3	6.3	7.3	5.4
18. Uttar Pradesh	8.4	8.7	8.2	8.8	9.1	8.6	6.6	6.8	6.5
19. West Bengal	6.2	6.9	5.5	6.1	6.7	5.5	6.6	7.4	5.7
Smaller States									
1. Arunachal Pradesh	5.2	6.2	4.2	5.6	6.6	4.6	3.0	3.7	2.3
2. Goa	6.6	8.0	5.2	8.1	9.9	6.3	5.7	6.8	4.5
3. Himachal Pradesh	7.4	8.7	6.1	7.7	9.1	6.3	4.7	5.1	4.2
4. Manipur	5.0	6.0	3.9	4.8	5.7	4.0	5.4	7.0	3.8
5. Meghalaya	7.9	8.7	7.0	8.4	9.2	7.6	5.4	6.7	4.1
6. Mizoram	5.1	6.3	3.9	5.9	6.5	5.3	4.2	6.1	2.4
7. Nagaland	4.6	4.8	4.4	5.0	5.2	4.7	3.3	3.6	3.0
8. Sikkim	5.2	5.7	4.6	5.4	5.9	4.9	3.7	4.6	2.8
9. Tripura	5.9	6.8	5.0	6.0	6.8	5.1	5.2	6.4	4.1
10. Uttarakhand	6.4	7.4	5.4	6.7	7.9	5.3	5.6	5.6	5.6
Union Territories									
1. Andaman & Nicobar Islands	4.8	5.9	3.7	5.5	6.8	4.1	3.6	4.2	3.0
2. Chandigarh	4.4	4.5	4.3	3.1	3.5	2.5	4.6	4.7	4.5
3. Dadra & Nagar Haveli	5.4	5.4	5.4	6.1	5.8	6.4	3.0	4.1	1.7
4. Daman & Diu	5.3	5.9	4.6	5.4	6.1	4.5	5.2	5.7	4.7
5. Lakshadweep	7.1	6.9	7.3	6.4	5.9	7.0	7.8	8.0	7.7
6. Puducherry	7.5	9.3	5.8	8.8	11.1	6.5	6.9	8.3	5.5

Table 4: Infant mortality rate by sex and residence, 2008

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	53	52	55	58	57	60	36	34	38
Bigger States									
1. Andhra Pradesh	52	51	54	58	56	60	36	36	37
2. Assam	64	62	65	66	65	68	39	38	41
3. Bihar	56	53	58	57	54	59	42	41	44
4. Chhattisgarh	57	57	58	59	58	59	48	44	52
5. Delhi	35	34	37	40	39	40	34	33	36
6. Gujarat	50	49	51	58	58	60	35	34	36
7. Haryana	54	51	57	58	56	60	43	39	48
8. Jammu & Kashmir	49	48	51	51	50	54	37	35	39
9. Jharkhand	46	45	48	49	47	50	32	31	34
10. Karnataka	45	44	46	50	49	52	33	33	34
11. Kerala	12	10	13	12	11	13	10	8	12
12. Madhya Pradesh	70	68	72	75	73	77	48	46	50
13. Maharashtra	33	33	33	40	40	40	23	22	25
14. Orissa	69	68	70	71	70	73	49	45	52
15. Punjab	41	39	43	45	44	48	33	31	35
16. Rajasthan	63	60	65	69	67	71	38	37	39
17. Tamil Nadu	31	30	33	34	33	35	28	27	30
18. Uttar Pradesh	67	64	70	70	67	74	49	46	51
19. West Bengal	35	34	37	37	36	38	29	27	31
Smaller States									
1. Arunachal Pradesh	32	30	34						
2. Goa	10	10	11						
3. Himachal Pradesh	44	43	45						
4. Manipur	14	13	15						
5. Meghalaya	58	58	58						
6. Mizoram	37	37	38						
7. Nagaland	26	23	29						
8. Sikkim	33	34	32						
9. Tripura	34	34	35						
10. Uttarakhand	44	44	45						
<p>Infant mortality rates for smaller States and Union Territories are based on three-years period 2006-08. 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	29	32						
2. Chandigarh	28	27	29						
3. Dadra & Nagar Haveli	34	33	35						
4. Daman & Diu	31	26	37						
5. Lakshadweep	31	29	34						
6. Puducherry	25	22	27						

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 1.5 million households and 7.10 million population.

Number of sample units and population covered, India, States and Union Territories, 2008

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	7103	5199	1904
Bigger States						
1. Andhra Pradesh	375	235	140	404	317	88
2. Assam	300	90	210	206	91	116
3. Bihar	330	200	130	353	286	67
4. Chhattisgarh	130	40	90	106	44	62
5. Delhi	200	10	190	157	20	137
6. Gujarat	365	215	150	359	279	80
7. Haryana	210	100	110	211	134	77
8. Jammu & Kashmir	260	150	110	220	170	50
9. Jharkhand	170	60	110	116	61	55
10. Karnataka	480	330	150	437	355	82
11. Kerala	250	150	100	343	280	63
12. Madhya Pradesh	340	220	120	315	242	73
13. Maharashtra	485	250	235	407	276	131
14. Orissa	405	290	115	335	269	67
15. Punjab	250	150	100	243	175	67
16. Rajasthan	350	250	100	331	280	51
17. Tamil Nadu	465	250	215	464	327	137
18. Uttar Pradesh	500	350	150	559	460	99
19. West Bengal	555	310	245	583	423	161
Smaller States						
1. Arunachal Pradesh	60	45	15	32	21	11
2. Goa	85	43	42	79	56	23
3. Himachal Pradesh	190	140	50	95	69	27
4. Manipur	150	110	40	134	110	24
5. Meghalaya	120	90	30	66	49	17
6. Mizoram	40	20	20	30	17	13
7. Nagaland	45	33	12	37	29	8
8. Sikkim	60	45	15	63	52	11
9. Tripura	80	60	20	109	97	12
10. Uttarakhand	150	100	50	111	82	30
Union Territories						
1. Andaman & Nicobar Islands	50	34	16	35	25	10
2. Chandigarh	35	5	30	33	10	23
3. Dadra & Nagar Haveli	30	22	8	40	34	5
4. Daman & Diu	20	13	7	28	23	5
5. Lakshadweep	12	6	6	15	10	5
6. Puducherry	50	17	33	46	25	21

Note: 1. Population figures exclude that of 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.