



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, 2014

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	21.0	22.7	17.4	6.7	7.3	5.5	14.3	15.4	11.9	39	43	26
Bigger States												
1. Andhra Pradesh	17.0	17.3	16.3	7.3	8.1	5.0	9.7	9.1	11.3	39	43	28
2. Assam	22.4	23.6	15.5	7.2	7.6	5.3	15.2	16.0	10.2	49	52	27
3. Bihar	25.9	26.9	19.9	6.2	6.4	5.2	19.7	20.5	14.7	42	43	37
4. Chhattisgarh	23.4	25.0	18.4	7.7	8.3	5.8	15.7	16.7	12.6	43	45	34
5. Delhi	16.8	18.1	16.7	3.8	4.4	3.8	12.9	13.8	12.9	20	31	20
6. Gujarat	20.6	22.6	18.2	6.2	6.6	5.7	14.5	16.0	12.5	35	43	23
7. Haryana	21.2	22.6	18.7	6.1	6.6	5.4	15.0	16.1	13.3	36	40	29
8. Jammu & Kashmir	16.8	18.7	12.5	5.1	5.4	4.5	11.7	13.3	8.0	34	36	29
9. Jharkhand	23.8	25.2	19.3	5.9	6.2	5.0	17.9	19.0	14.4	34	37	22
10. Karnataka	18.1	19.0	16.6	6.8	7.8	5.1	11.3	11.2	11.5	29	31	24
11. Kerala	14.8	14.9	14.8	6.6	6.8	6.5	8.2	8.1	8.3	12	14	10
12. Madhya Pradesh	25.7	27.9	19.9	7.8	8.4	6.0	17.9	19.5	13.8	52	57	35
13. Maharashtra	16.5	16.8	16.0	6.0	6.8	4.8	10.5	10.0	11.2	22	27	14
14. Odisha	19.4	20.5	14.2	7.9	8.2	6.4	11.5	12.3	7.8	49	51	36
15. Punjab	15.5	16.2	14.5	6.4	7.2	5.2	9.1	9.0	9.3	24	26	21
16. Rajasthan	25.0	26.0	22.1	6.4	6.8	5.3	18.6	19.2	16.8	46	52	27
17. Tamil Nadu	15.4	15.5	15.4	7.0	7.9	6.2	8.4	7.6	9.2	20	23	16
18. Telangana	18.0	18.4	17.4	6.7	7.8	4.9	11.3	10.6	12.5	35	39	28
19. Uttar Pradesh	27.0	28.3	23.3	7.4	8.0	5.8	19.6	20.3	17.4	48	51	37
20. Uttarakhand	18.2	18.5	17.3	6.0	6.3	5.2	12.2	12.2	12.0	33	32	35
21. West Bengal	15.6	17.6	11.1	6.1	6.0	6.4	9.5	11.6	4.7	28	30	24
Smaller States												
1. Arunachal Pradesh	19.2	20.4	13.2	6.6	7.4	2.6	12.6	13.0	10.6	30	32	14
2. Goa	12.9	12.5	13.3	6.6	7.8	5.6	6.4	4.7	7.8	10	9	11
3. Himachal Pradesh	16.4	16.9	10.8	6.7	6.9	4.0	9.7	10.0	6.8	32	33	20
4. Manipur	14.6	14.4	15.0	4.3	4.2	4.5	10.3	10.2	10.5	11	12	8
5. Meghalaya	24.1	26.2	14.7	7.5	8.0	5.6	16.6	18.3	9.1	46	48	35
6. Mizoram	16.4	19.5	13.1	4.3	5.3	3.2	12.1	14.2	9.9	32	40	19
7. Nagaland	15.3	15.3	15.3	3.1	3.3	2.8	12.2	12.0	12.5	14	13	17
8. Sikkim	17.1	16.0	19.0	5.1	6.0	3.5	12.0	10.0	15.4	19	21	16
9. Tripura	14.9	15.9	12.3	4.7	4.2	5.9	10.2	11.7	6.5	21	20	23
Union Territories												
1. Andaman & Nicobar Islands	14.7	14.9	14.5	4.6	5.2	3.8	10.1	9.6	10.7	22	26	14
2. Chandigarh	14.3	19.9	14.2	4.0	3.6	4.0	10.3	16.3	10.2	23	20	23
3. Dadra & Nagar Haveli	25.6	21.4	29.4	4.2	4.7	3.7	21.4	16.7	25.7	26	32	15
4. Daman & Diu	17.3	17.4	17.3	4.6	4.7	4.6	12.7	12.7	12.7	18	15	20
5. Lakshadweep	14.0	17.6	13.0	6.1	7.0	5.9	7.9	10.6	7.1	20	23	17
6. Puducherry	14.6	15.2	14.3	6.6	7.9	6.0	8.0	7.3	8.3	14	18	12

Note: Infant mortality rates for smaller States and Union Territories are based on three-years period 2012-14.

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

E mail: rgi.rgi@nic.in Phone: (91) (11) 2338 3761 Fax: (91) (11) 2338 3145

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/ UnionTerritories	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	20.7	21.3	22.3	23.0	17.1	17.8	6.6	6.8
Bigger States								
1. Andhra Pradesh	16.2	17.8	16.3	18.2	15.1	17.5	7.0	7.5
2. Assam	21.0	23.8	22.0	25.2	14.5	16.5	6.7	7.8
3. Bihar	24.8	27.0	25.6	28.1	18.6	21.2	5.9	6.6
4. Chhattisgarh	21.5	25.3	22.7	27.2	14.8	22.1	6.9	8.5
5. Delhi	15.6	17.9	14.5	21.8	15.5	17.9	3.5	4.2
6. Gujarat	19.6	21.7	21.1	24.0	16.7	19.7	5.8	6.5
7. Haryana	20.0	22.4	21.0	24.3	17.0	20.4	5.7	6.5
8. Jammu & Kashmir	15.8	17.8	17.5	19.9	11.1	13.9	4.8	5.5
9. Jharkhand	23.0	24.6	24.3	26.2	18.2	20.5	5.6	6.2
10. Karnataka	17.1	19.0	17.8	20.1	15.0	18.3	6.4	7.1
11. Kerala	14.0	15.6	14.0	15.8	13.4	16.2	6.2	7.1
12. Madhya Pradesh	24.7	26.8	26.5	29.3	18.7	21.0	7.4	8.1
13. Maharashtra	15.9	17.1	16.0	17.6	15.0	17.0	5.7	6.2
14. Odisha	18.7	20.1	19.7	21.3	12.8	15.6	7.5	8.2
15. Punjab	14.7	16.2	15.3	17.1	13.3	15.7	6.0	6.7
16. Rajasthan	24.3	25.6	25.2	26.7	20.7	23.6	6.2	6.7
17. Tamil Nadu	15.0	15.8	14.9	16.0	14.8	16.0	6.8	7.2
18. Telangana	17.1	19.0	17.1	19.7	15.9	19.0	6.4	7.0
19. Uttar Pradesh	25.9	28.1	26.8	29.7	22.0	24.5	7.1	7.7
20. Uttarakhand	17.6	18.7	17.8	19.2	16.4	18.1	5.7	6.4
21. West Bengal	15.0	16.2	16.9	18.3	10.2	11.9	5.8	6.4
Smaller States								
1. Arunachal Pradesh	16.5	21.9	17.2	23.7	9.5	16.9		
2. Goa	11.6	14.2	11.5	13.5	11.1	15.6		
3. Himachal Pradesh	15.3	17.5	15.7	18.1	9.2	12.3		
4. Manipur	13.5	15.7	12.8	15.9	13.8	16.2		
5. Meghalaya	22.0	26.3	23.7	28.8	11.8	17.5		
6. Mizoram	15.0	17.8	17.4	21.6	11.3	14.8		
7. Nagaland	12.8	17.8	12.5	18.1	10.7	20.0		
8. Sikkim	15.4	18.8	14.3	17.6	15.5	22.4		
9. Tripura	13.6	16.3	14.5	17.4	9.4	15.2		
Union Territories								
1. Andaman & Nicobar Islands	12.8	16.6	13.1	16.6	10.6	18.4		
2. Chandigarh	10.4	18.1	13.3	26.4	10.3	18.1		
3. Dadra & Nagar Haveli	21.5	29.6	15.3	27.6	24.7	34.0		
4. Daman & Diu	14.7	19.8	15.0	19.7	14.1	20.4		
5. Lakshadweep	9.8	18.1	0.0	37.3	11.2	14.7		
6. Puducherry	13.1	16.0	14.2	16.2	12.4	16.2		

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, 2014

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
7.1	7.4	5.4	5.6	37	40	41	45	23	29	India
Bigger States										
7.8	8.5	4.6	5.4	33	45	35	50	18	38	1. Andhra Pradesh
6.9	8.2	4.9	5.6	38	61	39	65	18	36	2. Assam
6.0	6.8	4.8	5.6	36	48	36	49	24	51	3. Bihar
7.3	9.2	5.1	6.6	34	52	34	55	16	52	4. Chhattisgarh
3.7	5.0	3.4	4.2	14	26	11	50	14	26	5. Delhi
6.2	7.0	5.1	6.2	30	41	36	50	14	32	6. Gujarat
6.1	7.0	4.6	6.3	30	43	32	47	17	42	7. Haryana
5.1	5.8	3.6	5.3	27	42	28	44	10	47	8. Jammu & Kashmir
5.9	6.5	4.5	5.5	26	41	28	45	13	32	9. Jharkhand
7.3	8.2	4.5	5.7	22	35	25	38	9	38	10. Karnataka
6.4	7.2	5.6	7.4	8	16	10	17	3	17	11. Kerala
8.0	8.8	5.4	6.6	47	57	51	62	22	47	12. Madhya Pradesh
6.5	7.1	4.4	5.2	18	25	22	31	8	20	13. Maharashtra
7.8	8.6	5.7	7.1	43	55	44	58	21	52	14. Odisha
6.7	7.7	4.8	5.7	18	30	19	33	11	30	15. Punjab
6.5	7.0	4.7	6.0	42	51	47	57	19	36	16. Rajasthan
7.6	8.2	5.9	6.4	16	23	19	28	11	21	17. Tamil Nadu
7.4	8.2	4.5	5.4	28	41	31	47	16	39	18. Telangana
7.6	8.3	5.5	6.1	43	53	46	57	27	47	19. Uttar Pradesh
5.8	6.7	4.7	5.7	26	39	24	40	26	44	20. Uttarakhand
5.7	6.3	5.9	6.9	24	33	25	35	15	33	21. West Bengal
Smaller States										
1. Arunachal Pradesh										
2. Goa										
3. Himachal Pradesh										
4. Manipur										
5. Meghalaya										
6. Mizoram										
7. Nagaland										
8. Sikkim										
9. Tripura										
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, 2014

India/States/ UnionTerritories	Total			Rural			Urban		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
1	2	3	4	5	6	7	8	9	10
India	6.7	7.1	6.2	7.3	7.7	6.7	5.5	5.9	5.1
Bigger States									
1. Andhra Pradesh	7.3	8.0	6.5	8.1	9.0	7.2	5.0	5.3	4.7
2. Assam	7.2	7.8	6.6	7.6	8.2	6.9	5.3	5.8	4.7
3. Bihar	6.2	6.3	6.1	6.4	6.5	6.3	5.2	5.2	5.1
4. Chhattisgarh	7.7	8.1	7.3	8.3	8.6	7.9	5.8	6.6	5.1
5. Delhi	3.8	4.3	3.4	4.4	4.8	3.8	3.8	4.2	3.4
6. Gujarat	6.2	6.7	5.6	6.6	7.4	5.7	5.7	5.8	5.5
7. Haryana	6.1	6.7	5.5	6.6	7.1	5.9	5.4	6.1	4.7
8. Jammu & Kashmir	5.1	6.0	4.2	5.4	6.3	4.5	4.5	5.4	3.6
9. Jharkhand	5.9	5.8	6.0	6.2	6.0	6.4	5.0	5.1	4.8
10. Karnataka	6.8	7.1	6.4	7.8	8.3	7.3	5.1	5.3	4.9
11. Kerala	6.6	7.6	5.8	6.8	7.8	5.8	6.5	7.4	5.7
12. Madhya Pradesh	7.8	8.3	7.2	8.4	9.0	7.8	6.0	6.4	5.6
13. Maharashtra	6.0	6.6	5.3	6.8	7.4	6.2	4.8	5.4	4.0
14. Odisha	7.9	8.8	7.0	8.2	9.2	7.2	6.4	6.7	6.1
15. Punjab	6.4	6.8	5.8	7.2	7.6	6.7	5.2	5.7	4.6
16. Rajasthan	6.4	7.0	5.8	6.8	7.5	6.0	5.3	5.5	5.1
17. Tamil Nadu	7.0	7.9	6.2	7.9	8.8	7.0	6.2	7.0	5.3
18. Telangana	6.7	7.3	6.1	7.8	8.6	7.1	4.9	5.3	4.6
19. Uttar Pradesh	7.4	7.5	7.3	8.0	8.1	7.9	5.8	5.9	5.8
20. Uttarakhand	6.0	6.9	5.1	6.3	7.4	5.2	5.2	5.7	4.8
21. West Bengal	6.1	6.5	5.6	6.0	6.3	5.6	6.4	7.0	5.8
Smaller States									
1. Arunachal Pradesh	6.6	6.5	6.7	7.4	7.2	7.6	2.6	3.2	1.9
2. Goa	6.6	7.6	5.5	7.8	8.8	6.8	5.6	6.7	4.4
3. Himachal Pradesh	6.7	8.2	5.1	6.9	8.6	5.2	4.0	4.3	3.6
4. Manipur	4.3	4.8	3.9	4.2	4.9	3.5	4.5	4.7	4.4
5. Meghalaya	7.5	8.3	6.8	8.0	8.6	7.3	5.6	6.7	4.4
6. Mizoram	4.3	4.8	3.8	5.3	6.0	4.5	3.2	3.4	3.0
7. Nagaland	3.1	3.3	2.9	3.3	3.7	2.9	2.8	2.8	2.9
8. Sikkim	5.1	5.8	4.3	6.0	6.8	5.0	3.5	3.9	3.1
9. Tripura	4.7	5.9	3.3	4.2	5.4	3.0	5.9	7.4	4.2
Union Territories									
1. Andaman & Nicobar Islands	4.6	5.1	4.2	5.2	5.9	4.5	3.8	4.0	3.6
2. Chandigarh	4.0	4.7	3.2	3.6	4.5	2.3	4.0	4.7	3.2
3. Dadra & Nagar Haveli	4.2	4.2	4.1	4.7	5.2	4.1	3.7	3.3	4.1
4. Daman & Diu	4.6	4.6	4.6	4.7	4.8	4.7	4.6	4.6	4.6
5. Lakshadweep	6.1	6.2	6.0	7.0	6.4	7.6	5.9	6.1	5.6
6. Puducherry	6.6	7.2	6.0	7.9	9.2	6.7	6.0	6.4	5.7

Table 4: Infant mortality rate by sex and residence, 2014

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	39	37	40	43	42	45	26	24	28
Bigger States									
1. Andhra Pradesh	39	38	39	43	42	43	28	26	30
2. Assam	49	49	49	52	51	52	27	26	28
3. Bihar	42	39	46	43	39	46	37	37	38
4. Chhattisgarh	43	41	44	45	44	45	34	30	39
5. Delhi	20	18	22	31	33	29	20	18	22
6. Gujarat	35	34	37	43	43	44	23	22	24
7. Haryana	36	35	38	40	38	42	29	30	29
8. Jammu & Kashmir	34	33	36	36	34	39	29	30	27
9. Jharkhand	34	32	36	37	34	40	22	24	21
10. Karnataka	29	27	30	31	30	33	24	23	25
11. Kerala	12	10	13	14	12	15	10	8	11
12. Madhya Pradesh	52	51	53	57	55	58	35	34	35
13. Maharashtra	22	21	22	27	27	27	14	13	16
14. Odisha	49	48	51	51	49	53	36	38	34
15. Punjab	24	23	25	26	25	27	21	20	21
16. Rajasthan	46	44	49	52	49	56	27	26	27
17. Tamil Nadu	20	20	20	23	24	23	16	15	17
18. Telangana	35	34	35	39	40	38	28	26	30
19. Uttar Pradesh	48	47	50	51	51	52	37	31	43
20. Uttarakhand	33	31	34	32	31	33	35	32	38
21. West Bengal	28	26	31	30	27	32	24	23	25
Smaller States									
1. Arunachal Pradesh	30	28	32						
2. Goa	10	8	11						
3. Himachal Pradesh	32	30	35						
4. Manipur	11	10	11						
5. Meghalaya	46	44	49						
6. Mizoram	32	32	33						
7. Nagaland	14	15	14						
8. Sikkim	19	16	23						
9. Tripura	21	19	23						
Union Territories									
1. Andaman & Nicobar Islands	22	20	24						
2. Chandigarh	23	19	27						
3. Dadra & Nagar Haveli	26	24	28						
4. Daman & Diu	18	20	15						
5. Lakshadweep	20	14	26						
6. Puducherry	14	12	16						

Infant mortality rates for smaller States and Union Territories are based on three-years period 2012-14. 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.

ABOUT THE SAMPLE REGISTRATION SYSTEM (SRS)

The Sample Registration System (SRS) is a large-scale demographic survey for providing reliable annual estimates of Infant mortality rate, 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. The current Sample is based on the 2011 Census frame and is effective from January 2014. This is the first series of the estimate from newly selected samples. At present, SRS is operational in 8853 sample units (4,961 rural and 3,892 urban) spread across all States and Union territories.

Number of sample units and population covered, India, States and Union Territories, 2014

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	8853	4961	3892	7506	5552	1954
Bigger States						
1. Andhra Pradesh	326	198	128	313	256	57
2. Assam	300	90	210	209	102	106
3. Bihar	330	200	130	350	275	75
4. Chhattisgarh	158	73	85	113	69	44
5. Delhi	199	10	189	132	16	115
6. Gujarat	478	231	247	408	282	125
7. Haryana	256	144	112	220	167	54
8. Jammu & Kashmir	350	226	124	272	221	51
9. Jharkhand	212	91	121	146	89	57
10. Karnataka	511	361	150	479	405	74
11. Kerala	280	175	105	350	301	49
12. Madhya Pradesh	449	285	164	389	294	95
13. Maharashtra	662	306	356	457	324	132
14. Odisha	405	290	115	337	279	59
15. Punjab	249	130	119	194	136	58
16. Rajasthan	350	236	114	306	253	54
17. Tamil Nadu	545	235	310	479	316	163
18. Telangana	224	121	103	197	148	49
19. Uttar Pradesh	500	328	172	494	396	98
20. Uttarakhand	375	195	180	290	185	105
21. West Bengal	555	304	251	514	391	123
Smaller States						
1. Arunachal Pradesh	65	50	15	37	28	9
2. Goa	95	45	50	82	61	21
3. Himachal Pradesh	210	155	55	111	87	24
4. Manipur	165	120	45	135	110	25
5. Meghalaya	130	95	35	78	60	18
6. Mizoram	45	25	20	34	23	11
7. Nagaland	50	35	15	29	22	6
8. Sikkim	65	50	15	59	48	11
9. Tripura	90	65	25	101	88	13
Union Territories						
1. Andaman & Nicobar Islands	55	37	18	40	32	9
2. Chandigarh	40	5	35	24	6	18
3. Dadra & Nagar Haveli	35	15	20	42	30	12
4. Daman & Diu	25	15	10	27	21	6
5. Lakshadweep	14	2	12	12	3	9
6. Puducherry	55	18	37	47	27	20

Note: 1. 'Total' population may not add up to 'Rural' and 'Urban' population due to rounding.