



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, 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
Bigger states												
1. Assam	22.4	23.6	15.5	7.2	7.6	5.3	15.2	16.0	10.2	49	52	27
2. Bihar	25.9	26.9	19.9	6.2	6.4	5.2	19.7	20.5	14.7	42	43	37
3. Chhattisgarh	23.4	25.0	18.4	7.7	8.3	5.8	15.7	16.7	12.6	43	45	34
4. Delhi	16.8	18.1	16.7	3.8	4.4	3.8	12.9	13.8	12.9	20	31	20
5. Gujarat	20.6	22.6	18.2	6.2	6.6	5.7	14.5	16.0	12.5	35	43	23
6. Jharkhand	23.8	25.2	19.3	5.9	6.2	5.0	17.9	19.0	14.4	34	37	22
7. Madhya Pradesh	25.7	27.9	19.9	7.8	8.4	6.0	17.9	19.5	13.8	52	57	35
8. Odisha	19.4	20.5	14.2	7.9	8.2	6.4	11.5	12.3	7.8	49	51	36
9. Rajasthan	25.0	26.0	22.1	6.4	6.8	5.3	18.6	19.2	16.8	46	52	27
10. Uttar Pradesh	27.0	28.3	23.3	7.4	8.0	5.8	19.6	20.3	17.4	48	51	37
11. Uttarakhand	18.2	18.5	17.3	6.0	6.3	5.2	12.2	12.2	12.0	33	32	35
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. Himachal Pradesh	16.4	16.9	10.8	6.7	6.9	4.0	9.7	10.0	6.8	32	33	20
3. Manipur	14.6	14.4	15.0	4.3	4.2	4.5	10.3	10.2	10.5	11	12	8
4. Meghalaya	24.1	26.2	14.7	7.5	8.0	5.6	16.6	18.3	9.1	46	48	35
5. Nagaland	15.3	15.3	15.3	3.1	3.3	2.8	12.2	12.0	12.5	14	13	17
6. Sikkim	17.1	16.0	19.0	5.1	6.0	3.5	12.0	10.0	15.4	19	21	16
7. 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. Chandigarh	14.3	19.9	14.2	4.0	3.6	4.0	10.3	16.3	10.2	23	20	23
2. Dadra & Nagar Haveli	25.6	21.4	29.4	4.2	4.7	3.7	21.4	16.7	25.7	26	32	15
3. Daman & Diu	17.3	17.4	17.3	4.6	4.7	4.6	12.7	12.7	12.7	18	15	20
4. Lakshadweep	14.0	17.6	13.0	6.1	7.0	5.9	7.9	10.6	7.1	20	23	17
5. 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.

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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
Bigger States								
1. Assam	21.0	23.8	22.0	25.2	14.5	16.5	6.7	7.8
2. Bihar	24.8	27.0	25.6	28.1	18.6	21.2	5.9	6.6
3. Chhattisgarh	21.5	25.3	22.7	27.2	14.8	22.1	6.9	8.5
4. Delhi	15.6	17.9	14.5	21.8	15.5	17.9	3.5	4.2
5. Gujarat	19.6	21.7	21.1	24.0	16.7	19.7	5.8	6.5
6. Jharkhand	23.0	24.6	24.3	26.2	18.2	20.5	5.6	6.2
7. Madhya Pradesh	24.7	26.8	26.5	29.3	18.7	21.0	7.4	8.1
8. Odisha	18.7	20.1	19.7	21.3	12.8	15.6	7.5	8.2
9. Rajasthan	24.3	25.6	25.2	26.7	20.7	23.6	6.2	6.7
10. Uttar Pradesh	25.9	28.1	26.8	29.7	22.0	24.5	7.1	7.7
11. Uttarakhand	17.6	18.7	17.8	19.2	16.4	18.1	5.7	6.4
Smaller States								
1. Arunachal Pradesh	16.5	21.9	17.2	23.7	9.5	16.9		
2. Himachal Pradesh	15.3	17.5	15.7	18.1	9.2	12.3		
3. Manipur	13.5	15.7	12.8	15.9	13.8	16.2		
4. Meghalaya	22.0	26.3	23.7	28.8	11.8	17.5		
5. Nagaland	12.8	17.8	12.5	18.1	10.7	20.0		
6. Sikkim	15.4	18.8	14.3	17.6	15.5	22.4		
7. Tripura	13.6	16.3	14.5	17.4	9.4	15.2		
Union Territories								
1. Chandigarh	10.4	18.1	13.3	26.4	10.3	18.1		
2. Dadra & Nagar Haveli	21.5	29.6	15.3	27.6	24.7	34.0		
3. Daman & Diu	14.7	19.8	15.0	19.7	14.1	20.4		
4. Lakshadweep	9.8	18.1	0.0	37.3	11.2	14.7		
5. Puducherry	13.5	15.6	14.2	16.2	12.9	15.7		

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, 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

Bigger States

6.9	8.2	4.9	5.6	38	61	39	65	18	36	1. Assam
6.0	6.8	4.8	5.6	36	48	36	49	24	51	2. Bihar
7.3	9.2	5.1	6.6	34	52	34	55	16	52	3. Chhattisgarh
3.7	5.0	3.4	4.2	14	26	11	50	14	26	4. Delhi
6.2	7.0	5.1	6.2	30	41	36	50	14	32	5. Gujarat
5.9	6.5	4.5	5.5	26	41	28	45	13	32	6. Jharkhand
8.0	8.8	5.4	6.6	47	57	51	62	22	47	7. Madhya Pradesh
7.8	8.6	5.7	7.1	43	55	44	58	21	52	8. Odisha
6.5	7.0	4.7	6.0	42	51	47	57	19	36	9. Rajasthan
7.6	8.3	5.5	6.1	43	53	46	57	27	47	10. Uttar Pradesh
5.8	6.7	4.7	5.7	26	39	24	40	26	44	11. Uttarakhand

Smaller States

1. Arunachal Pradesh
2. Himachal Pradesh
3. Manipur
4. Meghalaya
5. Nagaland
6. Sikkim
7. Tripura

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.

Union Territories

1. Chandigarh
2. Dadra & Nagar Haveli
3. Daman & Diu
4. Lakshadweep
5. Puducherry

Table 3: Death 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
Bigger States									
1. Assam	7.2	7.8	6.6	7.6	8.2	6.9	5.3	5.8	4.7
2. Bihar	6.2	6.3	6.1	6.4	6.5	6.3	5.2	5.2	5.1
3. Chhattisgarh	7.7	8.1	7.3	8.3	8.6	7.9	5.8	6.6	5.1
4. Delhi	3.8	4.3	3.4	4.4	4.8	3.8	3.8	4.2	3.4
5. Gujarat	6.2	6.7	5.6	6.6	7.4	5.7	5.7	5.8	5.5
6. Jharkhand	5.9	5.8	6.0	6.2	6.0	6.4	5.0	5.1	4.8
7. Madhya Pradesh	7.8	8.3	7.2	8.4	9.0	7.8	6.0	6.4	5.6
8. Odisha	7.9	8.8	7.0	8.2	9.2	7.2	6.4	6.7	6.1
9. Rajasthan	6.4	7.0	5.8	6.8	7.5	6.0	5.3	5.5	5.1
10. Uttar Pradesh	7.4	7.5	7.3	8.0	8.1	7.9	5.8	5.9	5.8
11. Uttarakhand	6.0	6.9	5.1	6.3	7.4	5.2	5.2	5.7	4.8
Smaller States									
1. Arunachal Pradesh	6.6	6.5	6.7	7.4	7.2	7.6	2.6	3.2	1.9
2. Himachal Pradesh	6.7	8.2	5.1	6.9	8.6	5.2	4.0	4.3	3.6
3. Manipur	4.3	4.8	3.9	4.2	4.9	3.5	4.5	4.7	4.4
4. Meghalaya	7.5	8.3	6.8	8.0	8.6	7.3	5.6	6.7	4.4
5. Nagaland	3.1	3.3	2.9	3.3	3.7	2.9	2.8	2.8	2.9
6. Sikkim	5.1	5.8	4.3	6.0	6.8	5.0	3.5	3.9	3.1
7. Tripura	4.7	5.9	3.3	4.2	5.4	3.0	5.9	7.4	4.2
Union Territories									
1. Chandigarh	4.0	4.7	3.2	3.6	4.5	2.3	4.0	4.7	3.2
2. Dadra & Nagar Haveli	4.2	4.2	4.1	4.7	5.2	4.1	3.7	3.3	4.1
3. Daman & Diu	4.6	4.6	4.6	4.7	4.8	4.7	4.6	4.6	4.6
4. Lakshadweep	6.1	6.2	6.0	7.0	6.4	7.6	5.9	6.1	5.6
5. 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
Bigger States									
1. Assam	49	49	49	52	51	52	27	26	28
2. Bihar	42	39	46	43	39	46	37	37	38
3. Chhattisgarh	43	41	44	45	44	45	34	30	39
4. Delhi	20	18	22	31	33	29	20	18	22
5. Gujarat	35	34	37	43	43	44	23	22	24
6. Jharkhand	34	32	36	37	34	40	22	24	21
7. Madhya Pradesh	52	51	53	57	55	58	35	34	35
8. Odisha	49	48	51	51	49	53	36	38	34
9. Rajasthan	46	44	49	52	49	56	27	26	27
10. Uttar Pradesh	48	47	50	51	51	52	37	31	43
11. Uttarakhand	33	31	34	32	31	33	35	32	38
Smaller States									
1. Arunachal Pradesh	30	28	32						
2. Himachal Pradesh	32	30	35						
3. Manipur	11	10	11						
4. Meghalaya	46	44	49						
5. Nagaland	14	15	14						
6. Sikkim	19	16	23						
7. Tripura	21	19	23						
Union Territories									
1. Chandigarh	23	19	27						
2. Dadra & Nagar Haveli	26	24	28						
3. Daman & Diu	18	20	15						
4. Lakshadweep	20	14	26						
5. 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 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 8854 sample units (4,962 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
	8854	4962	3892			
Bigger States						
1. Andhra Pradesh	326	198	128			
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			
8. Jammu & Kashmir	350	226	124			
9. Jharkhand	212	91	121	146	89	57
10. Karnataka	511	361	150			
11. Kerala	280	175	105			
12. Madhya Pradesh	449	285	164	389	294	95
13. Maharashtra	662	306	356			
14. Odisha	405	290	115	337	279	59
15. Punjab	249	130	119			
16. Rajasthan	350	236	114	306	253	54
17. Tamil Nadu	545	235	310			
18. Telengana	224	121	103			
19. Uttar Pradesh	500	328	172	494	396	98
20. Uttarakhand	375	195	180	290	185	105
21. West Bengal	555	304	251			
Smaller States						
1. Arunachal Pradesh	65	50	15	37	28	9
2. Goa	95	45	50			
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			
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			
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	15	3	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.