



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, 2015

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	20.8	22.4	17.3	6.5	7.1	5.4	14.3	15.4	11.9	37	41	25
Bigger States												
1. Andhra Pradesh	16.8	17.1	16.1	7.1	7.9	5.0	9.7	9.1	11.1	37	41	26
2. Assam	22.0	23.2	15.3	7.1	7.4	5.1	15.0	15.8	10.2	47	50	25
3. Bihar	26.3	27.1	20.6	6.2	6.3	5.1	20.1	20.8	15.5	42	42	44
4. Chhattisgarh	23.2	24.8	18.3	7.5	8.1	5.6	15.7	16.7	12.7	41	43	32
5. Delhi	16.4	17.9	16.4	3.6	4.3	3.5	12.8	13.5	12.8	18	27	18
6. Gujarat	20.4	22.4	18.0	6.1	6.5	5.6	14.3	15.9	12.4	33	41	21
7. Haryana	20.9	22.3	18.4	6.1	6.3	5.7	14.8	16.0	12.7	36	39	30
8. Jammu & Kashmir	16.2	18.0	10.7	4.9	5.1	4.4	11.3	13.0	6.3	26	27	24
9. Jharkhand	23.5	25.0	19.2	5.8	6.1	4.9	17.7	18.8	14.3	32	35	22
10. Karnataka	17.9	18.8	16.5	6.6	7.7	5.0	11.3	11.1	11.4	28	30	23
11. Kerala	14.8	14.8	14.8	6.6	6.7	6.4	8.2	8.1	8.4	12	13	10
12. Madhya Pradesh	25.5	27.6	19.7	7.5	8.1	5.9	17.9	19.5	13.8	50	54	34
13. Maharashtra	16.3	16.6	15.9	5.8	6.6	4.7	10.5	10.0	11.2	21	26	14
14. Odisha	19.2	20.3	14.1	7.6	7.9	6.3	11.6	12.4	7.8	46	48	35
15. Punjab	15.2	15.9	14.2	6.2	6.9	5.1	9.1	9.0	9.1	23	24	20
16. Rajasthan	24.8	25.7	22.0	6.3	6.7	5.2	18.5	19.0	16.8	43	48	27
17. Tamil Nadu	15.2	15.3	15.2	6.7	7.6	6.0	8.5	7.7	9.2	19	22	16
18. Telangana	17.8	18.2	17.2	6.5	7.5	4.9	11.3	10.7	12.3	34	37	27
19. Uttar Pradesh	26.7	27.9	23.0	7.2	7.7	5.7	19.5	20.2	17.2	46	48	36
20. Uttarakhand	17.8	18.0	17.1	6.4	6.8	5.6	11.4	11.3	11.5	34	31	44
21. West Bengal	15.5	17.3	11.6	5.9	5.8	6.2	9.6	11.5	5.4	26	27	24
Smaller States												
1. Arunachal Pradesh	18.8	19.5	15.3	6.0	6.5	3.7	12.7	13.0	11.6	30	32	19
2. Goa	12.7	12.3	13.1	6.4	7.6	5.5	6.3	4.7	7.6	9	8	10
3. Himachal Pradesh	16.3	16.8	10.6	6.6	6.8	4.2	9.7	10.0	6.4	28	28	18
4. Manipur	14.4	14.4	14.5	4.0	3.9	4.2	10.4	10.5	10.3	9	10	8
5. Meghalaya	23.7	25.7	15.0	7.4	7.8	5.5	16.3	17.9	9.5	42	44	34
6. Mizoram	16.2	19.3	13.0	4.2	5.2	3.3	12.0	14.1	9.8	32	39	22
7. Nagaland	14.8	15.0	14.6	3.0	3.2	2.7	11.8	11.8	11.8	12	11	15
8. Sikkim	17.0	15.9	18.7	5.0	5.9	3.5	12.0	10.0	15.2	18	20	14
9. Tripura	14.7	15.7	12.3	5.2	4.9	6.0	9.5	10.8	6.3	20	19	25
Union Territories												
1. Andaman & Nicobar Islands	12.0	12.8	10.8	5.0	4.8	5.3	7.0	8.0	5.5	20	18	23
2. Chandigarh	13.7	23.0	13.5	4.4	3.1	4.4	9.3	19.8	9.1	21	10	22
3. Dadra & Nagar Haveli	25.5	21.2	28.9	3.9	4.5	3.5	21.5	16.7	25.4	21	29	14
4. Daman & Diu	17.1	17.1	17.1	4.7	5.4	4.5	12.4	11.7	12.6	18	14	20
5. Lakshadweep	14.7	18.2	13.9	6.2	9.5	5.5	8.5	8.8	8.4	20	20	20
6. Puducherry	13.8	13.8	13.9	6.8	8.5	6.2	7.0	5.3	7.6	11	18	7

Note: Infant mortality rates for smaller States and Union Territories are based on three-years period 2013-15.

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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	20.6	21.0	22.2	22.7	17.0	17.6	6.5	6.6
Bigger States								
1. Andhra Pradesh	16.1	17.4	16.3	17.8	15.0	17.2	6.7	7.5
2. Assam	21.1	23.0	22.1	24.4	14.7	16.0	6.7	7.5
3. Bihar	25.6	26.9	26.4	27.9	19.5	21.7	5.9	6.5
4. Chhattisgarh	22.0	24.5	23.2	26.4	16.8	19.8	7.0	8.0
5. Delhi	15.3	17.5	14.1	21.6	15.3	17.4	3.2	3.9
6. Gujarat	19.6	21.3	21.3	23.5	16.7	19.3	5.7	6.5
7. Haryana	19.9	21.9	20.9	23.7	17.2	19.7	5.6	6.6
8. Jammu & Kashmir	15.1	17.3	16.7	19.4	8.5	12.9	4.5	5.3
9. Jharkhand	22.7	24.4	23.8	26.1	18.0	20.3	5.4	6.2
10. Karnataka	17.0	18.8	17.7	19.9	14.8	18.1	6.2	7.0
11. Kerala	14.2	15.4	14.1	15.6	13.8	15.8	6.2	7.0
12. Madhya Pradesh	24.7	26.2	26.6	28.6	18.9	20.5	7.1	7.9
13. Maharashtra	15.6	16.9	15.6	17.5	15.0	16.7	5.5	6.1
14. Odisha	18.4	20.0	19.3	21.2	13.1	15.1	7.2	8.0
15. Punjab	14.4	16.0	15.0	16.9	12.9	15.6	5.8	6.5
16. Rajasthan	24.0	25.5	24.8	26.6	20.8	23.3	6.1	6.6
17. Tamil Nadu	14.7	15.8	14.6	15.9	14.4	16.1	6.5	7.0
18. Telangana	16.7	18.9	16.7	19.6	15.7	18.7	6.0	7.1
19. Uttar Pradesh	25.8	27.5	26.8	29.0	21.9	24.0	6.9	7.4
20. Uttarakhand	17.2	18.4	17.3	18.8	16.1	18.1	6.0	6.9
21. West Bengal	14.9	16.1	16.5	18.0	10.6	12.5	5.6	6.2
Smaller States								
1. Arunachal Pradesh	16.9	20.6	17.4	21.6	11.0	19.6		
2. Goa	11.5	14.0	11.1	13.4	11.1	15.1		
3. Himachal Pradesh	15.3	17.3	15.7	17.8	9.3	12.0		
4. Manipur	13.4	15.4	13.1	15.7	12.9	16.1		
5. Meghalaya	21.4	25.9	23.0	28.4	11.5	18.4		
6. Mizoram	14.3	18.2	16.8	21.8	10.0	16.1		
7. Nagaland	11.4	18.3	10.6	19.4	9.0	20.1		
8. Sikkim	15.4	18.5	14.4	17.4	15.6	21.8		
9. Tripura	13.7	15.7	14.4	17.0	10.6	14.1		
Union Territories								
1. Andaman & Nicobar Islands	10.4	13.5	10.9	14.8	8.2	13.3		
2. Chandigarh	11.5	15.9	18.9	27.0	11.2	15.8		
3. Dadra & Nagar Haveli	21.7	29.2	16.8	25.6	23.2	34.6		
4. Daman & Diu	15.2	19.1	15.6	18.7	14.8	19.5		
5. Lakshadweep	11.2	18.2	2.6	33.9	11.3	16.6		
6. Puducherry	12.4	15.3	12.2	15.4	12.0	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, 2015

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
7.0	7.2	5.3	5.5	36	38	39	43	23	28	India
Bigger States										
7.5	8.4	4.3	5.8	31	43	34	48	13	40	1. Andhra Pradesh
6.9	7.9	4.6	5.6	40	54	42	57	16	33	2. Assam
6.0	6.7	4.7	5.5	37	48	37	48	33	55	3. Bihar
7.4	8.7	4.8	6.3	31	51	31	55	17	46	4. Chhattisgarh
3.9	4.8	3.2	3.9	12	24	8	46	12	24	5. Delhi
6.1	6.9	5.0	6.2	29	38	36	47	14	28	6. Gujarat
5.6	7.0	5.0	6.5	30	43	31	47	19	41	7. Haryana
4.7	5.5	3.5	5.3	20	33	20	33	4	44	8. Jammu & Kashmir
5.6	6.6	4.4	5.4	24	40	25	44	12	32	9. Jharkhand
7.3	8.1	4.3	5.8	21	35	24	37	7	40	10. Karnataka
6.4	7.1	5.8	7.1	8	16	9	17	3	18	11. Kerala
7.6	8.6	5.4	6.5	44	56	47	61	25	44	12. Madhya Pradesh
6.2	7.0	4.3	5.1	17	24	21	30	9	20	13. Maharashtra
7.4	8.3	5.7	6.9	41	52	42	54	24	47	14. Odisha
6.4	7.4	4.6	5.7	17	28	17	31	10	30	15. Punjab
6.4	7.0	4.7	5.8	39	48	43	53	18	35	16. Rajasthan
7.2	7.9	5.6	6.4	15	22	18	26	10	21	17. Tamil Nadu
6.7	8.3	4.3	5.6	27	40	29	45	16	38	18. Telangana
7.3	8.0	5.5	6.0	41	50	43	54	28	44	19. Uttar Pradesh
6.2	7.3	5.0	6.1	27	41	22	39	34	54	20. Uttarakhand
5.5	6.1	5.4	6.9	22	31	21	32	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, 2015

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	6.5	6.9	6.1	7.1	7.4	6.7	5.4	5.8	5.0
Bigger States									
1. Andhra Pradesh	7.1	7.8	6.4	7.9	8.8	7.1	5.0	5.3	4.7
2. Assam	7.1	7.7	6.4	7.4	8.1	6.7	5.1	5.6	4.5
3. Bihar	6.2	5.8	6.6	6.3	5.9	6.8	5.1	5.2	5.1
4. Chhattisgarh	7.5	7.9	7.0	8.1	8.5	7.7	5.6	6.3	4.8
5. Delhi	3.6	3.8	3.3	4.3	4.4	4.2	3.5	3.8	3.3
6. Gujarat	6.1	6.6	5.6	6.5	7.3	5.6	5.6	5.7	5.6
7. Haryana	6.1	6.6	5.4	6.3	6.8	5.6	5.7	6.3	5.1
8. Jammu & Kashmir	4.9	5.7	4.0	5.1	5.9	4.2	4.4	5.2	3.5
9. Jharkhand	5.8	5.7	5.9	6.1	5.9	6.3	4.9	5.1	4.7
10. Karnataka	6.6	7.0	6.3	7.7	8.2	7.2	5.0	5.2	4.8
11. Kerala	6.6	7.6	5.7	6.7	7.9	5.7	6.4	7.3	5.7
12. Madhya Pradesh	7.5	8.1	6.9	8.1	8.8	7.5	5.9	6.3	5.5
13. Maharashtra	5.8	6.0	5.5	6.6	6.5	6.6	4.7	5.4	3.9
14. Odisha	7.6	8.5	6.7	7.9	8.8	6.9	6.3	6.6	6.0
15. Punjab	6.2	6.5	5.7	6.9	7.2	6.5	5.1	5.6	4.6
16. Rajasthan	6.3	6.9	5.7	6.7	7.4	5.9	5.2	5.4	5.0
17. Tamil Nadu	6.7	7.6	5.8	7.6	8.4	6.6	6.0	6.8	5.1
18. Telangana	6.5	7.1	6.0	7.5	8.2	6.8	4.9	5.2	4.6
19. Uttar Pradesh	7.2	7.3	7.1	7.7	7.8	7.5	5.7	5.8	5.7
20. Uttarakhand	6.4	7.2	5.6	6.8	7.7	5.8	5.6	6.2	4.9
21. West Bengal	5.9	6.3	5.5	5.8	6.1	5.5	6.2	6.6	5.7
Smaller States									
1. Arunachal Pradesh	6.0	5.8	6.3	6.5	6.2	6.8	3.7	3.8	3.5
2. Goa	6.4	7.5	5.3	7.6	8.5	6.5	5.5	6.6	4.3
3. Himachal Pradesh	6.6	8.1	5.1	6.8	8.4	5.2	4.2	4.5	3.8
4. Manipur	4.0	4.5	3.5	3.9	4.5	3.2	4.2	4.4	4.1
5. Meghalaya	7.4	8.1	6.7	7.8	8.4	7.2	5.5	6.5	4.5
6. Mizoram	4.2	4.8	3.7	5.2	5.9	4.4	3.3	3.5	3.1
7. Nagaland	3.0	3.1	2.9	3.2	3.6	2.8	2.7	2.3	3.1
8. Sikkim	5.0	5.9	4.4	5.9	6.8	5.0	3.5	4.6	3.5
9. Tripura	5.2	5.7	4.6	4.9	5.3	4.3	6.0	6.7	5.3
Union Territories									
1. Andaman & Nicobar Islands	5.0	5.7	4.3	4.8	5.5	4.1	5.3	5.8	4.7
2. Chandigarh	4.4	4.9	3.8	3.1	4.9	1.0	4.4	4.9	3.8
3. Dadra & Nagar Haveli	3.9	4.0	3.9	4.5	5.0	4.0	3.5	3.2	3.8
4. Daman & Diu	4.7	4.7	4.7	5.4	5.5	5.3	4.5	4.5	4.6
5. Lakshadweep	6.2	6.4	6.0	9.5	9.2	9.8	5.5	5.8	5.2
6. Puducherry	6.8	7.5	6.2	8.5	9.9	7.3	6.2	6.6	5.8

Table 4: Infant mortality rate by sex and residence, 2015

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	37	35	39	41	40	43	25	23	28
Bigger States									
1. Andhra Pradesh	37	36	38	41	41	42	26	25	28
2. Assam	47	47	47	50	50	50	25	24	26
3. Bihar	42	36	50	42	36	49	44	37	52
4. Chhattisgarh	41	40	41	43	42	43	32	31	33
5. Delhi	18	18	19	27	27	28	18	17	19
6. Gujarat	33	33	34	41	41	42	21	20	22
7. Haryana	36	36	37	39	38	41	30	30	30
8. Jammu & Kashmir	26	25	27	27	25	28	24	25	23
9. Jharkhand	32	30	35	35	32	38	22	23	20
10. Karnataka	28	26	30	30	28	32	23	22	25
11. Kerala	12	10	13	13	11	15	10	10	11
12. Madhya Pradesh	50	51	48	54	56	52	34	34	35
13. Maharashtra	21	19	22	26	24	28	14	12	15
14. Odisha	46	45	47	48	47	49	35	37	34
15. Punjab	23	22	24	24	23	25	20	18	22
16. Rajasthan	43	40	47	48	44	52	27	26	28
17. Tamil Nadu	19	19	19	22	23	22	16	15	17
18. Telangana	34	33	34	37	38	37	27	26	28
19. Uttar Pradesh	46	44	48	48	48	49	36	30	42
20. Uttarakhand	34	31	38	31	27	35	44	44	45
21. West Bengal	26	25	28	27	25	28	24	23	25
Smaller States									
1. Arunachal Pradesh	30	31	30						
2. Goa	9	8	11						
3. Himachal Pradesh	28	28	27						
4. Manipur	9	8	10						
5. Meghalaya	42	42	43						
6. Mizoram	32	33	32						
7. Nagaland	12	10	15						
8. Sikkim	18	15	21						
9. Tripura	20	19	21						
<p>Infant mortality rates for smaller States and Union Territories are based on three-years period 2013-15. 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	20	17	23						
2. Chandigarh	21	20	23						
3. Dadra & Nagar Haveli	21	21	21						
4. Daman & Diu	18	18	19						
5. Lakshadweep	20	20	19						
6. Puducherry	11	8	14						

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 report of SRS 2015 is based on 8775 sample units (4,916 rural and 3,859 urban) spread across all States and Union territories excluding Jhelam Valley Natural Division of Jammu & Kashmir.

Number of sample units and population covered, India, States and Union Territories, 2015

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*	8775	4916	3859	7612	5609	2003
Bigger States						
1. Andhra Pradesh	326	198	128	315	257	59
2. Assam	300	90	210	215	105	110
3. Bihar	330	200	130	360	283	77
4. Chhattisgarh	158	73	85	114	69	45
5. Delhi	199	10	189	127	14	113
6. Gujarat	478	231	247	411	284	126
7. Haryana	256	144	112	230	177	53
8. Jammu & Kashmir*	272	181	91	216	180	37
9. Jharkhand	212	91	121	148	90	58
10. Karnataka	511	361	150	493	414	79
11. Kerala	280	175	105	355	302	53
12. Madhya Pradesh	449	285	164	398	302	96
13. Maharashtra	662	306	356	486	334	151
14. Odisha	405	290	115	345	286	59
15. Punjab	249	130	119	200	140	60
16. Rajasthan	350	236	114	310	256	55
17. Tamil Nadu	545	235	310	494	322	172
18. Telangana	224	121	103	200	150	50
19. Uttar Pradesh	500	328	172	499	401	98
20. Uttarakhand	375	195	180	288	183	105
21. West Bengal	555	304	251	525	400	125
Smaller States						
1. Arunachal Pradesh	65	50	15	39	29	10
2. Goa	95	45	50	84	62	22
3. Himachal Pradesh	210	155	55	114	90	25
4. Manipur	165	120	45	143	118	26
5. Meghalaya	130	95	35	77	59	19
6. Mizoram	45	25	20	35	24	11
7. Nagaland	50	35	15	30	23	7
8. Sikkim	65	50	15	59	48	11
9. Tripura	90	65	25	103	88	14
Union Territories						
1. Andaman & Nicobar Islands	55	37	18	44	35	9
2. Chandigarh	40	5	35	28	9	20
3. Dadra & Nagar Haveli	35	15	20	40	27	13
4. Daman & Diu	25	15	10	27	21	6
5. Lakshadweep	14	2	12	12	3	9
6. Puducherry	55	18	37	47	26	21

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

* : Estimate of Jammu & Kashmir excludes the Jhelam Valley Natural Division.