



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, 2000

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	25.8	27.6	20.7	8.5	9.3	6.3	17.3	18.3	14.4	68	74	44
Bigger States												
1. Andhra Pradesh	21.3	21.7	20.1	8.2	9.0	5.8	13.1	12.7	14.3	65	74	36
2. Assam	26.9	27.9	18.6	9.6	10.0	6.1	17.4	17.9	12.5	75	78	35
3. Bihar	31.9	32.8	25.6	8.8	9.1	7.1	23.1	23.7	18.5	62	63	53
4. Gujarat	25.2	26.8	21.9	7.5	8.3	5.8	17.7	18.4	16.1	62	69	45
5. Haryana	26.9	28.0	23.1	7.5	7.9	6.2	19.4	20.1	16.9	67	69	57
6. Karnataka	22.0	23.3	19.1	7.8	8.6	5.8	14.3	14.7	13.3	57	68	24
7. Kerala	17.9	18.0	17.5	6.4	6.5	6.2	11.5	11.6	11.4	14	14	14
8. Madhya Pradesh	31.4	33.4	23.5	10.3	11.1	7.5	21.1	22.4	16.1	87	93	54
9. Maharashtra	21.0	21.4	20.4	7.5	8.6	5.8	13.5	12.8	14.7	48	56	33
10. Orissa	24.3	24.9	20.1	10.5	11.0	7.0	13.8	13.9	13.1	95	99	66
11. Punjab	21.6	22.7	18.6	7.4	7.9	5.9	14.2	14.8	12.6	52	56	38
12. Rajasthan	31.4	32.8	25.1	8.5	8.9	6.6	23.0	23.9	18.5	79	82	58
13. Tamil Nadu	19.3	20.0	18.1	7.9	8.7	6.5	11.4	11.3	11.6	51	56	38
14. Uttar Pradesh	32.8	34.0	27.2	10.3	10.8	8.0	22.5	23.2	19.1	83	87	65
15. West Bengal	20.7	23.0	14.1	7.0	7.2	6.7	13.6	15.8	7.4	51	54	37
Smaller States												
1. Arunachal Pradesh	22.3	23.1	13.9	6.0	6.3	2.5	16.3	16.8	11.4	44	45	11
2. Chhatisgarh	26.7	29.2	22.8	9.6	11.2	7.1	17.1	18.0	15.7	79	95	49
3. Goa	14.3	14.3	14.2	7.4	7.9	6.7	6.8	6.4	7.5	23	24	21
4. Jharkhand	26.5	28.8	19.4	9.0	9.8	6.5	17.6	19.0	13.0	70	74	48
5. Himachal Pradesh	22.1	22.5	16.9	7.2	7.3	5.5	14.9	15.2	11.4	60	62	37
6. Jammu & Kashmir	19.7	20.5	16.5	6.2	6.3	5.9	13.5	14.2	10.6	50	51	45
7. Manipur	18.3	19.1	16.2	5.6	5.4	6.0	12.7	13.6	10.2	23	23	25
8. Meghalaya	28.5	31.0	15.3	9.2	10.1	4.6	19.3	20.9	10.7	58	61	32
9. Mizoram	16.0	19.2	12.2	5.2	6.2	3.9	10.9	12.9	8.3	21	23	17
10. Nagaland	N.A.	N.A.	12.2	N.A.	N.A.	3.0	N.A.	N.A.	9.2	N.A.	N.A.	23
11. Sikkim	21.8	22.1	14.8	5.7	5.7	4.0	16.2	16.4	10.7	49	49	36
12. Tripura	16.5	17.0	14.0	5.4	5.3	5.6	11.1	11.6	8.4	41	42	32
13. Uttaranchal	20.2	24.6	17.1	6.9	10.3	4.5	13.3	14.3	12.6	50	73	26
Union territories												
1. Andaman & Nicobar Islands	19.1	19.0	19.3	5.1	5.7	3.4	14.0	13.3	15.9	23	27	10
2. Chandigarh	17.5	18.9	17.3	3.9	3.8	3.9	13.6	15.1	13.4	28	38	26
3. Dadra & Nagar Haveli	34.9	35.9	24.0	7.8	8.2	3.5	27.0	27.7	20.4	58	62	14
4. Daman & Diu	23.7	21.8	25.4	6.6	7.1	6.2	17.1	14.7	19.2	48	38	57
5. Delhi	20.3	21.4	20.1	5.1	5.0	5.1	15.1	16.4	15.0	32	32	32
6. Lakshadweep	26.1	27.6	24.6	6.0	7.1	4.9	20.1	20.5	19.7	27	25	29
7. Pondicherry	17.8	18.4	17.4	6.5	7.2	6.0	11.3	11.2	11.3	23	33	15

N. A.: Not available due to part-receipt of returns.

Note: Infant mortality rates for Smaller States and Union territories are based on three-year period 1998-00.

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Census and Vital Statistics Website on the Internet: http://www.censusindia.net

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

India/States/ Union territories	Total		Birth Rate		Urban		Death	
	Lower Limit	Upper Limit	Rural		Lower limit	Upper Limit	Lower limit	Upper limit
			Lower Limit	Upper limit				
1	2	3	4	5	6	7	8	9
India	25.6	26.1	27.3	27.8	20.1	21.4	8.4	8.6
Bigger States								
1. Andhra Pradesh	20.6	21.9	20.9	22.4	18.7	21.5	7.8	8.6
2. Assam	25.8	28.0	26.6	29.1	17.0	20.2	9.0	10.1
3. Bihar	31.2	32.7	32.0	33.6	22.9	28.3	8.5	9.1
4. Gujarat	24.3	26.1	25.7	27.8	20.1	23.6	7.2	7.9
5. Haryana	25.6	28.3	26.4	29.5	20.7	25.6	7.1	7.9
6. Karnataka	21.3	22.7	22.5	24.1	17.7	20.4	7.4	8.2
7. Kerala	17.3	18.5	17.3	18.7	16.1	18.9	6.1	6.7
8. Madhya Pradesh	30.5	32.4	32.2	34.7	22.6	24.5	9.9	10.8
9. Maharashtra	20.3	21.8	20.5	22.2	19.0	21.9	7.2	7.8
10. Orissa	23.4	25.2	23.9	25.8	18.9	21.3	10.1	11.0
11. Punjab	20.9	22.3	21.8	23.5	17.1	20.0	7.0	7.8
12. Rajasthan	30.7	32.1	32.0	33.5	23.8	26.3	8.1	8.8
13. Tamil Nadu	18.7	19.9	19.3	20.6	17.0	19.2	7.6	8.2
14. Uttar Pradesh	32.2	33.3	33.3	34.6	26.0	28.4	10.0	10.6
15. West Bengal	20.1	21.2	22.3	23.6	13.1	15.1	6.8	7.3
Smaller States								
1. Arunachal Pradesh	20.3	24.3	20.9	25.3	10.4	17.4		
2. Chhatisgarh	24.5	28.8	27.4	31.0	18.1	27.6		
3. Goa	13.0	15.5	12.9	15.7	12.0	16.4		
4. Jharkhand	23.9	29.2	27.4	30.1	10.5	28.3		
5. Himachal Pradesh	20.8	23.3	21.2	23.9	15.6	18.2		
6. Jammu & Kashmir	17.3	22.1	19.1	21.9	6.5	26.4		
7. Manipur	17.2	19.4	17.7	20.5	14.7	17.7		
8. Meghalaya	26.4	30.6	28.4	33.5	11.6	19.0		
9. Mizoram	13.6	18.5	15.5	22.8	9.0	15.4		
10. Nagaland	N.A.	N.A.	N.A.	N.A.	8.0	16.4		
11. Sikkim	20.2	23.4	20.5	23.7	11.5	18.0		
12. Tripura	15.9	17.1	16.4	17.5	11.5	16.6		
13. Uttaranchal	17.0	23.4	21.2	28.0	11.7	22.5		
Union territories								
1. Andaman & Nicobar Islands	17.1	21.1	16.6	21.5	16.0	22.7		
2. Chandigarh	14.9	20.0	14.8	23.0	14.4	20.1		
3. Dadra & Nagar Haveli	30.4	39.3	31.1	40.7	15.8	32.1		
4. Daman & Diu	19.7	27.7	19.6	24.0	19.2	31.6		
5. Delhi	19.0	21.6	17.7	25.0	18.8	21.5		
6. Lakshadweep	22.3	29.9	21.7	33.5	19.8	29.5		
7. Pondicherry	16.3	19.3	16.1	20.8	15.3	19.4		

N.A Not available due to part receipt of returns.

Birth Rate, Death Rate and Infant Mortality Rate 2000

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	
9.2	9.4	6.1	6.5	66.2	69.4	72.1	75.7	40.1	47.1	India	
Bigger States											
8.5	9.5	5.1	6.6	59.3	71.4	67.3	81.4	23.4	47.7	1. Andhra Pradesh	
9.3	10.6	5.4	6.7	67.7	81.3	70.2	84.8	23.3	46.2	2. Assam	
8.7	9.4	6.1	8.0	57.8	65.4	58.7	66.4	36.2	69.0	3. Bihar	
7.9	8.8	5.1	6.5	56.9	67.8	63.2	74.8	32.2	57.5	4. Gujarat	
7.4	8.3	5.5	6.9	61.0	72.1	62.2	75.0	46.3	68.6	5. Haryana	
8.2	9.1	5.1	6.4	51.4	61.7	61.9	74.4	14.8	33.3	6. Karnataka	
6.1	6.8	5.6	6.8	10.4	17.5	9.9	17.7	6.4	22.3	7. Kerala	
10.5	11.6	6.8	8.1	79.6	94.5	84.4	101.4	41.1	67.4	8. Madhya Pradesh	
8.2	8.9	5.3	6.3	41.4	54.2	48.0	64.6	22.7	44.2	9. Maharashtra	
10.5	11.5	6.2	7.8	87.9	103.1	90.3	107.0	54.2	77.2	10. Orissa	
7.4	8.3	5.1	6.8	46.3	58.3	49.4	63.1	24.8	51.2	11. Punjab	
8.4	9.3	5.9	7.2	73.0	84.3	75.8	88.2	43.8	72.3	12. Rajasthan	
8.3	9.0	5.9	7.0	46.2	55.7	50.5	62.5	31.0	45.9	13. Tamil Nadu	
10.4	11.1	7.5	8.6	79.3	87.4	82.0	91.1	56.4	72.9	14. Uttar Pradesh	
6.9	7.4	6.1	7.2	46.8	54.6	49.3	58.1	28.4	45.0	15. West Bengal	
Smaller States											
1. Arunachal Pradesh											
2. Chhatisgarh											
3. Goa											
4. Jharkhand											
5. Himachal Pradesh											
6. Jammu & Kashmir											
7. Manipur											
8. Meghalaya											
9. Mizoram											
10. Nagaland											
11. Sikkim											
12. Tripura											
13. Uttaranchal											
Union territories											
1. Andaman & Nicobar Islands											
2. Chandigarh											
3. Dadra & Nagar Haveli											
4. Daman & Diu											
5. Delhi											
6. Lakshadweep											
7. Pondicherry											

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

Table 3: Death rate by sex, 2000

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	8.5	8.9	8.1	9.3	9.6	8.9	6.3	6.8	5.9
Bigger States									
1. Andhra Pradesh	8.2	8.9	7.5	9.0	9.9	8.1	5.8	6.0	5.7
2. Assam	9.6	9.9	9.2	10.0	10.2	9.7	6.1	7.4	4.6
3. Bihar	8.8	8.6	9.0	9.1	8.9	9.2	7.1	6.7	7.4
4. Gujarat	7.5	8.1	7.0	8.3	9.0	7.7	5.8	6.2	5.4
5. Haryana	7.5	7.9	7.1	7.9	8.2	7.6	6.2	7.0	5.3
6. Karnataka	7.8	9.1	6.4	8.6	10.0	7.2	5.8	6.9	4.6
7. Kerala	6.4	7.4	5.5	6.5	7.5	5.5	6.2	7.2	5.2
8. Madhya Pradesh	10.3	10.3	10.3	11.1	10.8	11.3	7.5	8.5	6.4
9. Maharashtra	7.5	8.2	6.8	8.6	9.4	7.7	5.8	6.3	5.3
10. Orissa	10.5	10.8	10.3	11.0	11.2	10.8	7.0	7.5	6.4
11. Punjab	7.4	7.7	7.0	7.9	8.4	7.3	5.9	5.8	6.1
12. Rajasthan	8.5	8.4	8.6	8.9	8.9	8.8	6.6	5.8	7.4
13. Tamil Nadu	7.9	8.6	7.2	8.7	9.4	7.9	6.5	7.1	5.9
14. Uttar Pradesh	10.3	10.1	10.4	10.8	10.6	11.0	8.0	8.2	7.9
15. West Bengal	7.0	7.4	6.6	7.2	7.5	6.8	6.7	7.2	6.0
Smaller States									
1. Arunachal Pradesh	6.0	6.2	5.7	6.3	6.5	6.1	2.5	3.0	1.9
2. Chhatisgarh	9.6	10.2	8.9	11.2	11.3	11.2	7.1	8.7	5.5
3. Goa	7.4	9.2	5.6	7.9	10.2	5.7	6.7	7.8	5.5
4. Jharkhand	9.0	9.1	8.9	9.8	9.9	9.6	6.5	6.6	6.4
5. Himachal Pradesh	7.2	8.2	6.2	7.3	8.4	6.3	5.5	6.0	4.8
6. Jammu & Kashmir	6.2	7.0	5.3	6.3	6.9	5.6	5.9	7.3	4.4
7. Manipur	5.6	6.5	4.6	5.4	6.3	4.5	6.0	7.2	4.8
8. Meghalaya	9.2	10.3	8.1	10.1	11.2	9.0	4.6	5.5	3.7
9. Mizoram	5.2	6.2	4.1	6.2	7.1	5.3	3.9	5.1	2.6
10. Nagaland	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	3.0	3.3	2.7
11. Sikkim	5.7	5.8	5.6	5.7	5.9	5.6	4.0	3.7	4.4
12. Tripura	5.4	5.7	5.1	5.3	5.5	5.2	5.6	6.6	4.7
13. Uttaranchal	6.9	8.2	5.6	10.3	13.4	7.0	4.5	4.4	4.6
Union territories									
1. Andaman & Nicobar Islands	5.1	6.2	3.9	5.7	7.0	4.3	3.4	4.0	2.8
2. Chandigarh	3.9	4.1	3.6	3.8	3.7	3.9	3.9	4.2	3.6
3. Dadra & Nagar Haveli	7.8	8.4	7.2	8.2	8.9	7.5	3.5	3.1	4.1
4. Daman & Diu	6.6	6.4	6.8	7.1	6.7	7.5	6.2	6.2	6.2
5. Delhi	5.1	5.5	4.7	5.0	5.1	4.9	5.1	5.5	4.7
6. Lakshadweep	6.0	5.6	6.3	7.1	6.9	7.2	4.9	4.4	5.4
7. Pondicherry	6.5	7.8	5.3	7.2	8.3	6.1	6.0	7.4	4.7

N.A Not available due to part receipt of returns.

Note : Estimates of Death rate by sex are subject to year to year fluctuations.

Table 4 : Infant mortality rate by sex, 2000

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	67.8	66.8	68.9	73.9	72.4	75.6	43.6	44.7	42.3
Bigger States									
1. Andhra Pradesh	65.4	66.4	64.2	74.3	76.0	72.6	35.5	33.6	37.4
2. Assam	74.5	65.9	82.9	77.5	68.9	85.8	34.7	29.0	41.2
3. Bihar	61.6	61.8	61.4	62.6	63.9	61.0	52.6	42.1	64.4
4. Gujarat	62.4	58.8	66.8	69.0	65.8	72.8	44.9	40.7	50.3
5. Haryana	66.6	63.0	70.9	68.6	65.6	72.2	57.4	52.1	64.6
6. Karnataka	56.5	65.4	47.3	68.1	77.2	58.6	24.1	32.0	15.8
7. Kerala	13.9	14.5	13.3	13.8	14.7	12.8	14.4	13.9	14.9
8. Madhya Pradesh	87.0	81.4	93.2	92.9	84.7	101.8	54.3	63.9	42.8
9. Maharashtra	47.8	45.8	50.0	56.3	59.3	53.0	33.4	22.4	45.2
10. Orissa	95.5	98.3	92.4	98.7	101.0	96.2	65.7	74.3	55.8
11. Punjab	52.3	45.0	61.5	56.2	46.6	68.3	38.0	39.4	36.2
12. Rajasthan	78.7	76.4	81.2	82.0	80.8	83.3	58.1	48.4	68.3
13. Tamil Nadu	51.0	48.5	53.7	56.5	52.6	60.7	38.5	39.7	37.1
14. Uttar Pradesh	83.4	80.7	86.5	86.6	82.7	91.1	64.6	68.7	60.0
15. West Bengal	50.7	54.3	47.0	53.7	56.2	51.1	36.7	45.4	27.5
Smaller States									
1. Arunachal Pradesh	40.1	41.3	38.8	41.7	43.9	39.3	11.1	*	27.8
2. Chhatisgarh	79.9	92.3	66.1	95.5	105.3	84.9	50.2	68.4	29.1
3. Goa	21.0	27.1	14.7	24.3	30.3	18.6	16.2	22.8	8.5
4. Jharkhand	68.4	59.4	78.8	72.6	65.3	80.7	48.4	33.5	68.7
5. Himachal Pradesh	51.0	56.7	44.5	52.0	58.2	44.9	35.3	33.6	37.6
6. Jammu & Kashmir	53.1	59.2	46.1	54.8	59.6	49.4	44.5	57.5	27.8
7. Manipur	22.2	20.5	24.0	21.1	18.4	23.9	25.9	27.8	24.1
8. Meghalaya	66.2	65.1	67.2	68.5	67.0	70.1	41.1	43.2	39.1
9. Mizoram	17.5	18.3	16.8	15.8	12.9	18.5	20.9	28.1	13.3
10. Nagaland	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	30.4	35.9	23.5
11. Sikkim	47.0	49.8	44.1	47.3	49.6	44.9	34.6	54.4	*
12. Tripura	34.8	30.7	38.9	35.1	32.8	37.6	32.7	15.8	45.6
13. Uttaranchal	49.0	54.0	42.5	71.7	66.9	76.9	25.5	42.3	*
Union territories									
1. Andaman & Nicobar Islands	16.4	19.4	13.0	16.6	23.1	9.8	15.6	9.8	22.2
2. Chandigarh	26.7	24.0	30.6	35.7	23.3	55.6	25.6	24.2	27.6
3. Dadra & Nagar Haveli	56.8	52.9	60.8	58.9	54.6	63.4	22.7	23.8	21.7
4. Daman & Diu	54.2	73.3	29.0	45.9	30.8	65.0	60.6	105.3	*
5. Delhi	31.8	30.1	33.8	26.5	14.5	45.1	32.5	32.4	32.6
6. Lakshadweep	22.3	14.5	29.0	26.1	28.0	24.4	18.2	*	33.9
7. Pondicherry	19.7	14.0	24.9	27.6	21.5	33.0	13.8	8.5	18.8

N.A. Not available due to part receipt of returns.

* Inadequate sample to provide estimates.

Note : Estimates of Infant mortality rate by sex are subject to year to year fluctuations.

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 and mortality indicators at the national and sub-national levels. The vital rates for 1999 in respect of the three newly created states of Chhatisgarh, Jharkhand and Uttaranchal were presented in the April, 2001 issue of SRS bulletin. The provisional vital rates for 2000 for these newly created states have been published in the October 2001 issue of SRS Bulletin and the present issue contains the final vital rates for 2000. The field investigation consists of continuous enumeration of births and deaths by a resident part time enumerator, generally a teacher and an independent survey every six months by a computer supervisor. The data obtained through these operations 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 SRS was initiated by the OFFICE OF THE REGISTRAR GENERAL, INDIA on a pilot basis in a few selected states in 1964-65 and it became fully operational during 1969-70 with about 3700 sample units. Thereafter the number of sample units was periodically increased. The sample unit in rural areas is a village or a segment of it if the village had a population of 1500 or more. In urban areas the sampling unit is a census enumeration block with a population ranging from 750 to 1000. At present SRS has 6671 sample units (4436 rural and 2235 urban) in all States and Union territories covering about 1.1 million households and 6.28 million population.

Number of sample units and population covered India, States and Union territories 2000

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	6671	4436	2235	6284	4904	1380
Bigger States						
1. Andhra Pradesh	310	210	100	306	240	66
2. Assam	275	200	75	244	200	44
3. Bihar	361	308	53	434	400	35
4. Gujarat	300	200	100	276	224	52
5. Haryana	180	110	70	212	161	52
6. Karnataka	375	260	115	359	285	74
7. Kerala	250	150	100	309	245	64
8. Madhya Pradesh	299	216	83	298	248	50
9. Maharashtra	375	200	175	343	237	106
10.Orissa	405	300	105	305	244	62
11.Punjab	200	120	80	177	128	49
12.Rajasthan	350	250	100	335	285	50
13.Tamil Nadu	375	200	175	355	237	119
14.Uttar Pradesh	615	428	187	644	541	103
15.West Bengal	475	300	175	471	362	109
Smaller States						
1. Arunachal Pradesh	56	50	6	46	39	6
2. Chhatisgarh	101	84	17	92	81	11
3. Goa	70	40	30	62	45	17
4. Jharkhand	139	92	47	120	95	25
5. Himachal Pradesh	190	140	50	101	73	28
6. Jammu & Kashmir	166	100	66	137	97	39
7. Manipur	150	100	50	134	98	36
8. Meghalaya	120	100	20	62	52	10
9. Mizoram	32	16	16	22	12	11
10 Nagaland	35	25	10	N.A.	N.A.	5
11.Sikkim	60	50	10	60	51	9
12.Tripura	75	60	15	88	79	9
13.Uttaranchal	35	22	13	30	24	6
Union territories						
1. Andaman & Nicobar Islands	45	30	15	33	23	10
2. Chandigarh	30	5	25	28	7	20
3. Dadra & Nagar Haveli	25	20	5	27	23	4
4. Daman & Diu	17	15	2	20	19	1
5. Delhi	130	10	120	99	16	83
6. Lakshadweep	10	5	5	13	8	4
7. Pondicherry	40	20	20	36	23	13

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