



SAMPLE REGISTRATION SYSTEM BULLETIN

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REGISTRAR GENERAL, INDIA

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Table 1
Provisional estimates of 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	27.5	20.7	8.5	9.3	6.3	17.3	18.3	14.4	68	74	43
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	12.6	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	27.9	23.0	7.5	7.9	6.2	19.4	20.1	16.7	67	69	57
7. Karnataka	22.0	23.3	19.1	7.8	8.6	5.7	14.2	14.6	13.3	57	68	24
8. Kerala	17.9	18.0	17.5	6.4	6.5	6.2	11.5	11.6	11.4	14	14	14
9. Madhya Pradesh	31.2	33.2	23.5	10.2	11.0	7.5	21.0	22.2	16.1	88	94	54
10. Maharashtra	20.9	21.2	20.3	7.5	8.6	5.7	13.4	12.7	14.6	48	57	33
11. Orissa	24.3	24.8	20.1	10.5	11.0	7.0	13.7	13.8	13.1	96	99	66
12. Punjab	21.5	22.6	18.5	7.3	7.8	5.8	14.2	14.8	12.6	52	56	38
13. Rajasthan	31.2	32.6	25.0	8.4	8.8	6.5	22.8	23.7	18.5	79	83	58
14. Tamil Nadu	19.2	19.9	18.0	7.9	8.6	6.4	11.3	11.2	11.5	51	57	38
15. Uttar Pradesh	32.8	34.0	27.2	10.3	10.8	8.0	22.5	23.2	19.1	83	87	65
16. West Bengal	20.6	23.0	14.0	7.0	7.1	6.7	13.6	15.8	7.3	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	19.6	20.3	16.5	6.2	6.3	5.9	13.4	14.1	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	16.9	18.8	14.5	5.2	6.3	3.7	11.7	12.6	10.7	21	24	15
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. Uttarakhand	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

* : Excludes Nagaland (Rural) due to part-receipt of returns.

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

Note : Infant mortality rates for Smaller States and Union Territories are for the period 1998-2000.

With compliments from Jayant Kumar Banthia, Registrar General, India, 2-A Mansingh Road, New Delhi 110 011, India.

Table 2
Estimates of birth rate, death rate and infant mortality rate for the latest three years, 1997-1999

India/States/ Union Territories	Year	Birth rate			Death rate			Infant mortality rate		
		Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7	8	9	10	11
India *	1997	27.2	28.9	21.5	8.9	9.6	6.5	71	77	45
	1998	26.5	28.0	21.0	9.0	9.7	6.6	72	77	45
	1999	26.0	27.6	20.8	8.6	9.4	6.3	70	75	44
Bigger States										
1. Andhra Pradesh	1997	22.5	23.1	20.5	8.3	9.1	5.9	63	70	37
	1998	22.4	22.8	20.9	8.8	9.7	6.0	66	75	38
	1999	21.7	22.0	20.6	8.2	9.0	5.7	66	75	37
2. Assam	1997	28.2	29.0	20.7	9.9	10.3	5.9	76	79	37
	1998	27.9	28.7	20.2	10.0	10.5	6.0	76	80	36
	1999	27.0	28.0	18.9	9.7	10.1	6.2	76	79	36
3. Bihar	1997	31.7	32.7	23.6	10.0	10.4	6.8	71	73	53
	1998	31.1	32.1	23.1	9.4	9.7	6.5	67	68	51
	1999	31.5	32.4	25.2	8.9	9.2	7.1	63	64	55
4. Gujarat	1997	25.6	27.0	22.6	7.6	8.3	6.2	62	69	46
	1998	25.5	27.0	21.9	7.9	8.6	6.3	64	71	46
	1999	25.4	27.0	22.0	7.9	8.8	5.9	63	70	45
5. Haryana	1997	28.3	29.6	23.8	8.0	8.3	6.9	68	70	59
	1998	27.6	28.8	23.2	8.2	8.6	6.8	70	72	59
	1999	26.8	27.7	23.3	7.7	8.0	6.4	68	70	58
6. Karnataka	1997	22.7	23.9	20.1	7.6	8.5	5.4	53	63	24
	1998	22.0	23.1	19.4	7.9	8.9	5.6	58	70	25
	1999	22.3	23.7	19.2	7.7	8.7	5.5	58	69	24
7. Kerala	1997	17.9	17.9	17.9	6.2	6.3	6.1	12	11	15
	1998	18.3	18.3	18.0	6.4	6.5	6.2	16	15	17
	1999	18.0	18.1	17.7	6.4	6.5	6.3	14	14	16
8. Madhya Pradesh	1997	31.9	33.6	23.1	11.0	11.7	7.7	94	99	57
	1998	30.7	32.1	23.0	11.2	11.9	7.8	98	104	56
	1999	31.1	33.1	23.6	10.4	11.1	7.6	90	96	55
9. Maharashtra	1997	23.1	24.4	21.0	7.3	8.6	5.4	47	56	31
	1998	22.5	23.6	20.4	7.7	8.9	5.6	49	58	32
	1999	21.1	21.6	20.3	7.5	8.7	5.6	48	58	31
10. Orissa	1997	26.5	27.2	21.3	10.9	11.3	7.5	96	100	65
	1998	25.7	26.4	20.9	11.1	11.6	7.6	98	101	66
	1999	24.1	24.6	20.3	10.7	11.1	7.1	97	100	65
11. Punjab	1997	23.4	24.9	19.0	7.4	7.8	6.1	51	54	38
	1998	22.4	23.7	18.5	7.7	8.2	6.3	54	58	40
	1999	21.5	22.5	18.6	7.4	7.9	6.1	53	57	39
12. Rajasthan	1997	32.1	33.7	25.1	8.9	9.3	7.0	85	89	61
	1998	31.6	33.1	24.6	8.8	9.3	6.9	83	87	60
	1999	31.1	32.5	24.9	8.4	8.9	6.4	81	85	59
13. Tamil Nadu	1997	19.0	19.3	18.3	8.0	8.7	6.7	53	58	40
	1998	19.2	19.7	18.1	8.5	9.3	6.8	53	59	40
	1999	19.3	19.8	18.2	8.0	8.7	6.6	52	58	39

Table 2 (Contd.)
Estimates of birth rate, death rate and infant mortality rate for the latest three years, 1997-1999

India/States/ Union Territories	Year	Birth rate			Death rate			Infant mortality rate		
		Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7	8	9	10	11
14. Uttar Pradesh	1997	33.5	34.6	27.9	10.3	10.7	8.2	85	89	66
	1998	32.4	33.4	27.2	10.5	10.9	8.1	85	89	65
	1999	32.8	33.9	27.5	10.5	11.1	8.1	84	88	66
15. West Bengal	1997	22.4	24.8	15.9	7.7	7.9	7.2	55	58	43
	1998	21.3	23.4	15.2	7.5	7.7	7.1	53	56	41
	1999	20.7	22.9	14.3	7.1	7.2	6.8	52	55	40
Smaller States										
1. Arunachal Pradesh	1997	21.4	22.3	12.2	5.8	6.1	2.0	47	49	17
	1998	22.5	23.3	13.6	6.1	6.5	1.8	44	46	10
	1999	22.3	23.2	13.5	6.0	6.4	1.9	43	45	10
2. Chhatisgarh	1997	Included in Madhya Pradesh								
	1998	Included in Madhya Pradesh								
	1999	26.9	29.3	23.6	9.6	11.3	7.0	78	95	47
3. Goa	1997	14.2	14.4	13.8	7.7	8.0	7.2	19	23	14
	1998	14.3	14.6	13.8	8.2	8.5	7.7	23	25	22
	1999	14.3	14.4	14.1	7.2	7.6	6.6	21	23	17
4. Jharkhand	1997	Included in Bihar								
	1998	Included in Bihar								
	1999	26.3	28.5	19.0	8.9	9.7	6.4	71	76	48
5. Himachal Pradesh	1997	22.6	23.1	16.8	8.1	8.3	5.9	63	64	38
	1998	22.6	23.0	16.9	7.7	7.9	5.4	64	66	38
	1999	23.8	24.3	16.8	7.3	7.5	5.2	62	63	38
6. Jammu & Kashmir	1997	Not available due to part-receipt of returns								
	1998	19.8	20.8	15.8	5.4	5.6	4.4	45	46	44
	1999	20.9	22.0	16.5	6.3	6.2	6.3	52	53	44
7. Manipur	1997	19.7	20.5	17.6	5.9	5.8	6.2	30	31	28
	1998	19.0	19.9	16.7	5.3	5.1	6.1	25	22	26
	1999	18.6	19.4	16.4	5.4	5.0	6.6	25	27	24
8. Meghalaya	1997	30.2	32.9	16.6	8.8	9.7	4.4	54	56	52
	1998	29.2	31.8	15.6	9.0	9.9	4.2	52	54	36
	1999	28.7	31.1	15.7	9.1	10.2	3.3	56	59	33
9. Mizoram	1997	15.0	16.4	13.3	4.8	5.7	3.7	19	22	15
	1998	15.8	18.1	13.1	5.6	6.7	4.3	23	26	18
	1999	17.0	18.7	14.8	5.5	6.9	3.7	19	22	14
10. Nagaland	1997	N.A.	N.A.	7.9	N.A.	N.A.	2.7	N.A.	N.A.	16
	1998	N.A.	N.A.	11.9	N.A.	N.A.	1.7	N.A.	N.A.	16
	1999	N.A.	N.A.	11.8	N.A.	N.A.	2.3	N.A.	N.A.	16
11. Sikkim	1997	19.8	20.0	12.8	6.5	6.6	3.5	51	51	41
	1998	20.9	21.2	13.5	6.1	6.2	3.9	52	52	44
	1999	21.6	21.9	14.7	5.8	5.9	3.4	49	50	33
12. Tripura	1997	18.3	18.9	15.5	6.8	6.9	5.8	51	53	39
	1998	17.6	18.2	14.8	6.1	6.2	5.4	49	50	39
	1999	17.0	17.5	14.4	5.7	5.7	5.7	42	43	33

Table 2 (Concl.)
Estimates of birth rate, death rate and infant mortality rate for the latest three years, 1997-1999

India/States/ Union Territories	Year	Birth rate			Death rate			Infant mortality rate		
		Total	Rural	Urban	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7	8	9	10	11
13. Uttaranchal	1997				Included in Uttar Pradesh					
	1998				Included in Uttar Pradesh					
	1999	19.6	24.5	16.1	6.5	10.5	3.5	52	75	27
Union Territories										
1. Andman & Nicobar Islands	1997	18.6	18.8	17.8	5.1	5.6	3.6	33	39	16
	1998	17.7	18.0	16.8	4.6	5.1	3.0	30	37	9
	1999	18.1	17.8	19.2	5.5	6.2	3.5	25	30	9
2. Chandigarh	1997	18.8	20.9	18.5	4.2	3.7	4.3	40	46	40
	1998	17.9	21.3	17.5	4.1	3.5	4.2	32	44	30
	1999	17.9	24.5	17.1	3.9	2.6	4.1	28	36	27
3. Dadra & Nagar Haveli	1997	28.2	28.7	22.8	8.2	8.6	3.6	63	67	7
	1998	34.1	35.1	23.4	7.9	8.4	3.0	61	65	7
	1999	34.2	35.2	23.6	6.6	7.0	2.5	56	61	7
4. Daman & Diu	1997	24.9	25.5	24.4	5.9	7.7	4.4	38	41	35
	1998	21.7	23.0	20.5	7.0	8.1	6.1	51	42	59
	1999	26.9	24.9	28.8	7.1	8.9	5.4	35	34	36
5. Delhi	1997	21.1	22.7	20.9	5.4	5.4	5.4	35	34	35
	1998	19.4	20.9	19.3	5.3	5.3	5.3	36	36	36
	1999	20.3	20.7	20.3	4.8	4.5	4.9	31	33	31
6. Lakshadweep	1997	22.9	23.5	22.3	6.2	6.1	6.3	36	22	49
	1998	23.0	23.5	22.3	6.2	6.1	6.3	26	22	30
	1999	25.1	25.1	25.0	4.7	4.3	5.0	32	26	37
7. Pondicherry	1997	18.4	20.1	17.1	8.0	9.1	7.2	22	30	16
	1998	18.2	18.3	17.9	7.8	8.7	7.2	21	31	14
	1999	17.7	18.0	17.5	6.9	7.9	6.1	22	32	15

* Excludes Jammu & Kashmir for the year 1997 due to part-receipt of returns.

N.A. Not available due to non-receipt of returns.

Note: Infant mortality rate for smaller states/UT's shown against 1997, 1998 and 1999 are for the periods 1995-97, 1996-98 and 1997-99 respectively.

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 present issue also contains the vital rates for 2000 for these states. 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.