

THE NATIONAL SAMPLE SURVEY

NUMBER 121

PRELIMINARY ESTIMATES OF BIRTH AND
DEATH RATES AND OF THE RATE
OF GROWTH OF POPULATION

EIGHTEENTH ROUND

FEBRUARY 1963—JANUARY 1964



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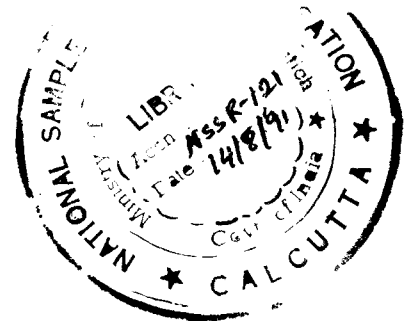
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The Indian Statistical Institute (ISI) was in charge of general planning (including sample design), processing and analysis of data. Deb Kumar Dutta Mazumdar, Hiralal Mukherjee, Nemaï Charan Pramanick, Pran Bandhu Das and Mani Gopal Bhattacharya gave technical guidance of the tabulation; Shyam Sundar Bose, Santosh Roy Chowdhury, Suren Das and A. K. Choudhury were in-charge of the supervision of the manual tabulation and processing.

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THE NATIONAL SAMPLE SURVEY

EIGHTEENTH ROUND : FEBRUARY 1963—JANUARY 1964

Preliminary Estimates of Birth and Death Rates and of the Rate of Growth of Population

This report entitled "Preliminary Estimates of Birth and Death Rates and of the Rate of growth of population, Eighteenth Round (February 1963—January 1964)" was prepared by the Indian Statistical Institute, Calcutta and is being published in the form in which it was submitted to the Government of India and Government are not responsible for the views contained therein.*

*The draft report was submitted to this Government of India in May 1965.

CHAPTER ONE

INTRODUCTION

1.1 The enquiry on current fertility and mortality was started on a more comprehensive scale in the 14th round of National Sample Survey (NSS) in rural areas of India in accordance with the recommendations of the Planning Commission Working Group on Population and Vital Statistics for supplying firm estimates of current growth rate. It was continued in the rural areas in the NSS 15th round (July 1959—June 1960), in the urban areas in the NSS 16th round (July 1960—August 1961), in the both areas in the NSS 17th (September 1961—August 1962) and 18th round (February 1963—January 1964). The results of NSS 14th round are available in NSS Report Numbers 48 and 76 and of NSS 15th round in NSS Draft Report No. 110. In this Report some broad findings on rural and urban growth rates obtained from the data collected in the 18th round of NSS are presented.

1.2 *Sample design*: Broadly speaking, the sample design was stratified two-stage in both the rural and urban sectors with villages as first-stage units in the rural sector and with blocks as first-stage units in the urban sector. Households were the second-stage units in both the sectors. Sample villages and blocks were selected in the form of four interpenetrating sub-samples. Sub-samples 1 & 3 were surveyed by one party of investigators and sub-samples 2 & 4 by another party of investigators. The sample design was self-weighting at the state level. A note on the sample design is given in Appendix Two.

1.3 *Survey Period and sub-round*: The survey of NSS 18th round was spread over the period February 1963 to January 1964. The survey period of one year was divided into six sub-rounds of two months each with the work load equally distributed over the sub-rounds. Each sub-round gives valid estimates of any population characteristics.

1.4 *Geographical coverage*: The enquiry on population, births and deaths was carried out in both the rural and urban areas of the Indian Union excepting the following regions—Andaman and Nicobar Islands, Laccadive, Minicoy and Amindivi Islands, Ladakh district of Jammu & Kashmir, NEFA, Mao, Ukhrul and Tamenlong sub-divisions of Manipur, Lungkh sub-division of Mizo (Lushai) hills, Pondicherry and Goa, Daman and Diu.

1.5 *Items of information collected*: Information was collected by field investigators by personal visits to each sample household. The following items of information on personal characteristics current births and current deaths were collected in the NSS 18th round. Detailed particulars of persons normally resident in the household were taken—relationship to the head, name; present or absent on the date of survey; sex; age, last birthday (in years); marital status; educational standard: for evermarried females, total number of births born alive and also now alive, total number of births born alive but since dead and total number of live-births. For the vital event of births, the reference to the mother in the household, age of mother at reported birth and at first birth, interval since previous births, order of birth, sex of the child, time of birth—date, calendar month and calendar year, mode of determination of the time of birth (definite statement of age; relation with local or religious festival, agricultural season and others whose ages are known; registration certificates; other evidences; guess, no evidence), the place of birth (within or outside the sample village/town—in own premises; mother's father's premises; other premises; hospital, maternity homes and other medical institutions; and others), the type of medical attendance to the mother at the time of delivery (untrained dai; trained dai, midwife; qualified nurse; physician; relatives and others; no attendance), age of the child on the date of survey or at death (in weeks), whether the child was born dead, and relation of the child to the informant were collected; for the deaths information was collected on the relationship of the deceased to the informant, sex, age at death (years), age at death (in weeks) for children dying under one year, time of death—date, calendar month, calendar year, the mode of determination of time of death, the place of death, the type of medical attendance, and the relation of the deceased to the informant.

1.6 *Organisation*: The Field Directorate of the National Sample Survey under the control of the Cabinet Secretariat of the Government of India collected the information (except in West Bengal and Bombay city which is covered directly by the staff of the Indian Statistical Institute) while the Institute is responsible for the sample design, the field schedule, and the processing and the tabulation of data.

1.7 *Participation of states*: All the States excepting West Bengal participated with the Central National Sample Survey on an additional similar (matching) sample in their respective States with the same concepts and definitions as those of the central sample, and thus provided an inter-penetrating net work of sub-samples (IPNS) between the two agencies—the Central and the State (in addition to the IPNS arrangement within an agency, already integrated in the sample design).

1.8 Presentation of results : The results presented relate to the Central Sample only. The text includes results for the Indian Union only for each of the six sub-rounds and also for all sub-rounds combined. While presenting the results in the text, estimates of sub-samples 1 & 3 have been combined to form half-sample 1 and sub-samples 2 & 4 to form half-sample 2. Thus, the results given in the text are in the form of two interpenetrating half-samples. The results for the different states and all-India have been presented in the form of four interpenetrating sub-samples in the detailed tables given in the Appendix for each of the six sub-rounds separately as well as all sub-rounds combined.

1.9 Reliability and adequacy of data : The analysis of NSS data has been done by interpenetrating sub-samples as usual, each sub-sample furnishing an independent and equally valid estimate of the variate under analysis. By this technique, the margin of uncertainty for each of the principal variates as also of the derived functions are directly obtained. As will be seen from the tables, the sub-sample agreements are close enough at the all-India level and diverge at the state levels as the sample size decreases.

CHAPTER TWO

CONCEPTS AND DEFINITIONS

2.1. *Definition of a household* : A *de jure* concept was adopted, and a household was considered to consist of its normal resident members only and births and deaths occurring to these members, whatever be the place of occurrence, were recorded. Persons who normally pass nights under the same roof and take food from the same kitchen, irrespective of the immediate length of stay in the household, were considered as normally resident members in the household; normally resident members thus exclude guests but include temporary absentees. The inclusion of an item "present/absent on the date of Survey" in the schedule was useful as a check in this regard. The decision as to whether a particular person would be treated as a normally resident member in a household was left to the informant, the judgement of the investigator being exercised to know that a person is (a) not claimed to be a normally resident member in more than one household or (b) not omitted in all households : a person to be considered a normally resident member in a household should not have formed a separate household or joined, as a usual member, another household. Casual patients at hospital are excluded, not the permanent ones. The counting of population was on a *de facto* basis only for the floating population without any normal residence who were looked for and counted in the place where they were found on the day of completion of the investigation in the sample area.

2.2. *Extinct household (by deaths)* : Instruction was specifically given to seek for and count households which ceased to exist because of the deaths of all the members during the preceding two years as these are left out from the frame : a particular case is that of extinct single member household consequent on the death of lone member. Deaths to all the members constituting a household are known to be difficult to ascertain. It should be noted that if the frame consists of the extent households only, the population would refer to that obtaining on the date of survey and would, by definition, exclude households which ceased to exist consequent on the death of all the members. An item 'do you know of any extinct (by death) households in the sample/village/hamlet/block' was included in the schedule for obtaining the source of information of such households.

Vital rates

2.3. The events of births and deaths in the household were recorded with the date of occurrence during the reference period of two years preceding the date of survey; and only those for the year preceding the date of survey have been taken into account for the calculation of the annual vital rates presented in this report. The reference ("recall") period, the 365 days preceding the date of survey, was a moving one as the survey period was spread over time. Thus, the results presented do not refer to a fixed time period but prefer to the overlapping time period of length of one year, spread over the survey period : This method, as has been explained in NSS Report Number 48, is aimed at minimising omissions in reporting due to recall lapse. In the calculation of birth and death rates, the *current* population has been taken as the base. These rates would not, therefore, be strictly comparable with rates calculated with the mid-year population as the base. The rate of growth of population in this report is the balance of births over deaths.

2.4. *Infant mortality rate* : The infant mortality relates the number of children dying before attaining one year of life to the total number of children born alive 'last year'.

CHAPTER THREE
SUMMARY OF FINDINGS

3.1. The rates of births, deaths and of growth in the rural and urban areas of India for six-rounds and also for all the sub-rounds combined, each with two interpenetrating half-samples, have been presented in Table (1); the results for the states have been given in Appendix I with four interpenetrating sub-sample. In the rural areas the birth rate came out at 37.57/1000 (with half-sample estimates of 37.49 and 37.64), the death rate at 12.39/1000 (with half-sample estimates of 12.40 and 12.39) and the rate of natural increase at 25.18/1000 (with half-sample estimates of 25.09 and 25.25) for the round as a whole; in the urban areas the birth, death and growth rates came out at 31.93/1000 (with half-sample estimates of 32.01 and 31.84), 8.08/1000 (with half-sample estimates of 8.35 and 7.81) and 23.85/1000 (with half-sample estimates of 23.66 and 24.03) respectively. The agreement between the half-samples for each of the six sub-rounds and all sub-rounds combined may be noted.

TABLE 1.—*Birth and death rates and the rate of growth of population in 1000 persons for the rural and urban areas of India for different sub-rounds from two interpenetrating half-samples : all-India rural and urban households, NSS, 18th round.*

sub-round period of survey (number of sample villages : blocks)	half-sample	rate per 1000 persons					
		births		deaths		growth	
		rural	urban	rural	urban	rural	urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. I : Feb.-March 1963 (1412 : 788)	1	39.85	34.44	14.52	10.36	25.33	24.08
	2	38.14	31.90	12.62	7.69	25.52	24.21
	combined	38.99	33.18	13.57	9.04	25.42	24.14
2. II : April-May 1963 (1412 : 779)	1	38.55	32.83	12.17	9.47	26.38	23.36
	2	37.80	33.34	12.99	9.41	24.81	23.93
	combined	38.19	33.08	12.56	9.44	25.63	23.64
3. III : June-July 1963 (1412 : 768)	1	38.10	31.20	12.82	7.54	25.28	23.66
	2	39.70	30.15	13.16	7.77	26.54	22.38
	combined	38.89	30.68	12.99	7.65	25.90	23.03
4. IV : Aug.-Sept. 1963 (1412 : 752)	1	35.73	31.23	12.49	7.34	23.24	23.89
	2	37.84	32.86	12.12	7.73	25.72	25.13
	combined	36.80	32.06	12.31	7.54	24.49	24.52
5. V : Oct.-Nov. 1963 (1412 : 746)	1	35.68	31.38	10.49	8.55	25.19	22.83
	2	36.64	30.96	11.93	7.19	24.71	23.77
	combined	36.15	31.16	11.19	7.84	24.96	23.32
6. VI : Dec.-Jan. 1964 (1412 : 739)	1	36.97	30.90	11.93	6.82	25.04	24.08
	2	35.66	31.87	11.51	7.17	24.15	24.70
	combined	36.31	31.38	11.72	7.00	24.59	24.38
7. All sub-rounds combined. (8472 : 4572)	1	37.49	32.01	12.40	8.35	25.09	23.66
	2	37.64	31.84	12.39	7.81	25.25	24.03
	combined	37.57	31.93	12.39	8.08	25.18	23.85

3.2. The trend of birth and death rates and of the balance of birth over deaths in the rural areas of India obtained from NSS 14th, 15th and 18th rounds are presented with two interpenetrating samples in Table (2). During 1958-1963 while the rural birth rate has remained more or less stationary, there has been a sharp decline in the death rate from 19.02/1000 in 1958-59 through 15.08/1000 in 1959-60 to 12.39/1000 in 1963-64, resulting in an increase in the rate of growth from 19.24/1000 in 1958-59 through 23.85/1000 in 1959-60 to 25.18/1000 in 1963-64.

TABLE 2.—Birth and death rates and the rate of growth of population per 1000 persons in rural areas of India for different NSS rounds from two interpenetrating samples : all-India rural households, NSS 14th, 15th & 18th round.

NSS round : period of survey	sample	rates per 1000 persons		
		births	deaths	growth
(1)	(2)	(3)	(4)	(5)
1. Fourteenth round : July 1958—June 1959	1	38.50	19.47	19.03
	2	38.02	18.58	19.44
	combined	38.26	19.02	19.24
2. Fifteenth round : July 1959—June 1960	1	39.58	14.87	24.71
	2	38.28	15.29	23.00
	combined	38.93	15.08	23.85
3. Eighteenth round : February 1963—January 1964	1*	37.49	12.40	25.09
	2*	37.64	12.39	25.25
	combined	37.57	12.39	25.18

*half-sample.

3.3. Table (3) gives the infant mortality rate per 1000 live-births in the rural and urban areas of India for each of the six sub-rounds and also for all sub-rounds combined. Annual infant mortality rates for the rural and urban areas came out at 127.90 (with half-sample estimates of 128.38 and 127.52) and 89.96/1000 live-births (with half-sample estimates of 88.54 and 91.40) respectively for the round as a whole.

TABLE 3.—Annual infant mortality rate per 1000 live-births for the rural and urban areas of India for different sub-rounds from two interpenetrating half-samples : all-India rural and urban households, NSS, 18th Round.

Sector	half-sample	Sub-round						
		I	II	III	IV	V	VI	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Rural	1	156.75	137.31	121.29	123.07	112.22	115.54	128.38
	2	141.44	119.14	131.23	126.72	131.76	113.32	127.52
	combined	149.26	128.65	126.32	124.97	121.82	114.44	127.90
2. Urban	1	105.45	80.44	94.80	89.26	77.58	81.51	88.54
	2	101.39	103.35	87.78	85.43	85.32	85.10	91.40
	combined	103.52	91.58	91.42	87.27	81.61	83.32	89.96

3.4. The rural infant mortality rates obtained from NSS 14th and 18th rounds are presented in Table (4). It is seen that the infant mortality rate has declined from 145.86/1000 live-births (with half-sample estimates of 148.55 and 143.16) to 127.90/1000 live-births (with half-sample estimates of 128.38 and 127.52) during 1958-63.

TABLE 4.—Annual infant mortality rate per 1000 live-births for rural areas of India in different rounds from two interpenetrating half-samples : all-India rural households, NSS 14th and 18th round.

Round : period of survey	half-sample		
	1	2	combined
(1)	(2)	(3)	(4)
1. Fourteenth : July 1958—June 1959	148.55	143.16	145.86
2. Eighteenth : February 1963—January 1964	128.38	127.52	127.90

3.5. Average household size and sex-ratio of total population are presented in Table (5) for the rural and urban areas of India for each of the six sub-rounds separately and also for all sub-rounds combined. Average size of households in the rural and urban areas are 5.10 and 4.53 and sex-ratios 113.87 and 104.51 respectively for the round as a whole.

TABLE 5.—Average household size and sex-ratio of total population for the rural and urban area of India for different sub-rounds from two interpenetrating half-samples : all-India rural and urban households, NSS 18th round.

Sub-round : period of survey	half-sample	average household size		sex ratio	
		rural	urban	rural	urban
(1)	(2)	(3)	(4)	(5)	(6)
1. I : February-March 1963	1	5.03	4.59	104.86	115.18
	2	5.18	4.48	104.45	115.55
	combined	5.10	4.53	104.66	115.36
2. II : April-May 1963	1	5.14	4.57	104.87	112.46
	2	5.14	4.62	104.82	112.21
	combined	5.14	4.59	104.84	112.34
3. III : June-July 1963	1	5.12	4.57	104.25	113.00
	2	5.03	4.34	105.60	117.54
	combined	5.08	4.45	104.92	115.20
4. IV : August-September 1963	1	5.03	4.57	104.51	116.15
	2	5.17	4.59	104.49	112.12
	combined	5.10	4.58	104.50	114.09
5. V : October-November 1963	1	5.04	4.50	104.87	114.63
	2	5.15	4.65	103.43	112.35
	combined	5.09	4.58	104.17	113.43
6. VI : December 1963-January 1964	1	5.05	4.40	104.36	113.11
	2	5.09	4.47	103.61	112.49
	combined	5.07	4.43	103.98	112.80
7. All sub-rounds combined	1	5.07	4.53	104.62	114.06
	2	5.13	4.52	104.42	113.68
	combined	5.10	4.53	104.52	113.87

APPENDIX I

LIST AND PRESENTATION OF DETAILED TABLES

1.1 List of Detailed Tables

In numbering the tables, a system of multiple codings has been followed. Of the numbers within bracket, the left-hand digit refers to the sector (1 for urban and 2 for rural) and the right-hand digit gives the sub-round number 1-6; for the results of all the six sub-rounds combined 7 has been used in the right-hand digit.

<i>Urban tables</i>		PAGE
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1.2 Percentation of detailed tables.

TABLE (1.1).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples : first sub-round, NSS 18th round (urban).

State (number of sample blocks)	sample	average household size	sex ratio	rates per 1000 persons			infant mortality rate per 1000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Andhra Pradesh	1	4.65	98.43	29.51	7.92	21.59	178.96
	2	4.80	102.91	27.43	5.64	21.79	94.45
	3	4.34	107.20	24.56	7.78	16.78	100.35
	4	4.58	104.10	35.16	5.33	29.83	47.62
	(68)	Comb.	4.58	103.25	29.03	6.69	22.34
2. Assam	1	4.10	145.45	31.55	7.54	24.01	—
	2	4.36	115.61	24.37	8.60	15.77	235.36
	3	3.99	141.90	29.79	6.44	23.35	108.15
	4	4.36	145.87	7.33	4.19	3.14	571.80
	(24)	Comb.	4.19	137.04	24.56	6.93	17.63
3. Bihar	1	5.02	123.18	34.42	4.23	30.19	17.54
	2	4.65	130.53	26.49	3.31	23.18	62.50
	3	4.94	103.16	31.82	12.02	19.80	111.11
	4	3.52	143.91	28.19	1.92	26.27	45.45
	(54)	Comb.	4.44	124.07	30.45	5.40	25.05
4. Gujarat	1	5.12	111.50	28.85	8.52	20.33	57.14
	2	5.54	108.45	32.97	1.98	30.99	—
	3	4.60	112.28	41.98	23.01	18.97	170.37
	4	5.25	105.81	22.10	2.23	19.87	63.29
	(32)	Comb.	5.10	109.46	31.12	8.84	22.28
5. Jammu & Kashmir	1	6.31	106.21	25.29	7.39	17.90	67.63
	2	5.98	116.17	37.55	7.94	29.61	105.72
	3	6.00	129.67	27.00	4.40	22.60	108.64
	4	5.16	110.23	25.83	4.63	21.20	75.92
	(24)	Comb.	5.78	117.05	29.10	6.07	23.03
6. Kerala	1	5.70	108.44	25.76	7.36	18.40	—
	2	5.16	112.68	38.97	12.18	26.79	62.54
	3	4.51	112.88	7.75	7.75	0.00	—
	4	5.75	86.42	29.90	11.21	18.69	62.48
	(24)	Comb.	5.31	102.60	26.85	9.85	17.00
7. Madhya Pradesh	1	4.83	119.93	42.64	11.22	31.42	52.62
	2	4.94	110.92	45.91	10.68	35.23	81.40
	3	4.76	113.85	35.70	10.71	24.99	128.58
	4	5.01	105.09	38.55	11.14	27.41	211.16
	(52)	Comb.	4.89	112.23	40.62	10.96	29.66
8. Madras	1	4.29	91.29	30.56	13.89	16.67	72.72
	2	4.08	102.28	39.18	13.42	25.76	109.59
	3	4.95	99.49	35.08	10.20	24.88	72.74
	4	4.65	103.83	32.20	8.50	23.70	97.24
	(64)	Comb.	4.46	99.39	34.15	11.38	22.77

TABLE (I.1) contd.—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples: first sub-round, NSS 18th round (urban).

State (number of sample blocks)	Sample	Average household size	Sex ratio	rates per 1000 persons			Infant mortality rate per 1000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9. Maharashtra	1	4.78	115.18	31.51	7.64	23.87	126.29
	2	4.76	111.40	37.33	8.34	28.99	86.54
	3	5.12	116.58	33.73	7.01	26.72	102.10
	4	4.63	103.95	25.06	6.52	18.54	104.08
	(103)	Comb.	4.75	114.73	30.17	6.96	23.21
10. Mysore	1	5.20	118.18	31.25	4.86	26.39	22.22
	2	4.44	113.35	29.57	7.83	21.74	205.88
	3	4.65	102.96	38.73	4.44	34.29	65.57
	4	4.03	109.89	27.56	11.56	16.00	290.32
	(36)	Comb.	4.58	110.67	32.33	6.81	25.52
11. Orissa	1	4.53	101.58	39.22	—	39.22	—
	2	4.49	95.91	37.66	6.62	31.04	108.11
	3	4.24	105.60	35.87	10.44	25.43	126.57
	4	4.05	111.22	36.95	8.31	28.64	37.53
	(24)	Comb.	4.30	103.79	37.27	6.87	30.40
12. Punjab	1	3.36	146.62	30.98	5.42	25.56	81.25
	2	4.34	119.55	35.70	8.29	27.41	50.49
	3	4.51	120.44	35.52	12.92	22.60	181.83
	4	4.83	114.08	25.58	—	25.58	—
	(28)	Comb.	4.18	124.33	32.00	6.68	25.32
13. Rajasthan	1	4.95	112.44	54.32	27.16	27.16	333.33
	2	4.87	115.06	33.49	8.37	25.12	113.64
	3	4.69	135.28	35.79	10.28	25.51	101.37
	4	4.95	110.68	42.79	11.89	30.90	185.19
	(36)	Comb.	4.85	118.60	41.99	14.95	27.04
14. Uttar Pradesh	1	4.48	121.47	36.40	12.59	23.81	88.97
	2	4.18	129.56	36.67	8.07	28.60	123.61
	3	4.78	116.50	43.87	16.23	27.64	132.16
	4	4.44	117.58	42.43	15.63	26.80	149.58
	(103)	Comb.	4.50	120.52	40.38	13.55	26.83
15. West Bengal	1	3.98	129.35	32.77	6.43	26.34	—
	2	3.84	160.79	17.12	4.54	12.58	36.14
	3	3.41	149.46	28.11	11.54	16.57	134.84
	4	3.59	143.94	25.29	5.25	20.04	56.59
	(72)	Comb.	3.71	145.24	25.72	6.78	18.94
16. All-India* (urban)	1	4.56	114.81	33.88	9.53	24.35	94.46
	2	4.47	119.03	32.58	7.47	25.11	89.28
	3	4.61	115.52	34.96	11.15	23.81	115.47
	4	4.50	112.40	31.26	7.89	23.37	113.17
	(788)	Comb.	4.53	115.36	33.18	9.04	24.14

*Delhi Himachal Pradesh, Manipur and Tripura are included.

TABLE (1·2).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples : second sub-round NSS 18th round (urban).

State (number of sample blocks)	Sample	Average household size	Sex ratio	rates per 1000 persons			Infant mortality rate per 1000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Andhra Pradesh	1	4·62	103·50	34·57	10·00	24·57	118·49
	2	4·53	98·52	28·28	10·95	17·33	112·90
	3	4·60	104·77	40·26	9·88	30·38	98·90
	4	4·87	109·84	32·02	8·80	23·22	61·61
	(68)	Comb.	4·65	104·10	33·82	9·90	23·92
2. Assam	1	4·37	130·58	43·14	10·90	32·24	84·21
	2	5·10	123·78	22·87	7·42	15·45	108·15
	3	4·29	131·78	25·96	—	25·96	—
	4	4·09	159·57	18·91	5·05	13·86	133·37
	(24)	Comb.	4·42	135·02	28·93	6·03	22·90
3. Bihar	1	4·84	110·83	41·36	18·01	23·35	177·42
	2	3·94	138·94	21·37	9·80	11·57	41·67
	3	4·49	130·79	29·58	8·70	20·88	58·82
	4	3·98	125·35	24·39	5·51	18·88	64·52
	(54)	Comb.	4·32	125·71	29·77	10·62	19·15
4. Gujarat	1	5·04	117·81	33·41	11·77	21·64	28·57
	2	5·40	100·23	28·00	7·43	20·57	30·61
	3	5·10	111·27	40·07	8·13	31·94	—
	4	4·84	109·54	40·97	9·10	31·87	101·85
	(32)	Comb.	5·11	109·27	35·24	9·05	26·19
5. Jammu & Kashmir	1	5·60	109·18	16·96	3·33	13·63	—
	2	5·44	118·85	37·63	2·44	35·19	32·64
	3	4·57	120·27	28·67	3·33	25·34	—
	4	6·05	109·72	32·39	4·33	28·06	38·30
	(24)	Comb.	5·45	114·01	29·64	3·41	26·23
6. Kerala	1	5·24	88·81	23·20	10·81	12·89	—
	2	5·24	90·55	29·16	10·20	18·96	—
	3	5·57	101·46	41·03	3·22	37·81	—
	4	5·69	104·72	33·33	12·82	20·51	269·24
	(24)	Comb.	5·45	97·00	30·00	8·32	24·68
7. Madhya Pradesh	1	4·42	110·93	42·97	12·84	30·13	91·96
	2	4·92	103·44	30·25	9·34	20·91	220·62
	3	4·62	108·90	37·20	12·94	24·26	207·79
	4	5·00	106·26	27·52	15·18	12·34	120·68
	(50)	Comb.	4·72	107·35	34·61	12·49	22·12
8. Madras	1	4·23	103·59	34·22	5·52	28·70	64·51
	2	4·65	108·02	35·65	5·75	29·90	64·52
	3	4·80	95·93	31·44	14·60	16·84	53·56
	4	4·12	95·75	36·00	5·82	30·18	58·81
	(62)	Comb.	4·42	100·55	34·37	7·82	26·55

TABLE(1.2) contd.—Average household size, sex ratio, annual rates of births, deaths, and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all India from four interpenetrating samples: second sub-round, NSS 18th round (urban)

state (number of sample blocks)	sample	average house- hold size	sex ratio	rates per 1,000 persons			infant mortality rate per 1,000 live- births
				birth	death	growth	
1	[2	3	4	5	6]	7	8
9. Maharashtra	1	5.48	116.14	35.05	7.78	27.27	93.27
	2	5.13	115.19	36.71	12.46	24.25	88.08
	3	4.70	114.32	40.78	5.95	34.83	34.86
	4	4.87	114.17	34.60	9.83	24.77	94.68
	(100)	Comb.	4.98	116.63	35.00	8.18	26.82
10. Mysore	1	4.62	96.47	33.79	15.82	17.97	85.11
	2	4.97	101.47	41.46	8.54	32.92	161.76
	3	4.51	103.19	27.27	9.54	17.73	125.00
	4	5.18	106.62	38.26	4.45	33.81	93.02
	(36)	Comb.	4.79	101.65	35.22	9.78	25.44
11. Orissa	1	4.28	115.76	29.00	4.84	24.16	
	2	4.73	108.21	32.78	11.87	20.91	289.81
	3	4.20	108.59	18.39	1.31	17.08	
	4	3.29	125.77	44.01	8.94	35.07	156.23
	(24)	Comb.	4.13	113.26	29.72	6.49	23.23
12. Punjab	1	3.69	131.04	8.93	4.57	4.36	
	2	5.29	104.85	40.29	6.60	33.69	
	3	4.57	105.82	29.84	10.54	19.30	101.85
	4	4.92	109.83	43.55	3.98	39.57	25.37
	(28)	Comb.	4.53	112.77	30.70	6.18	24.52
13. Rajasthan	1	5.27	106.12	40.62	7.81	32.81	76.92
	2	5.22	111.85	44.92	11.03	33.89	105.26
	3	5.06	109.98	39.25	15.09	24.16	153.85
	4	5.42	122.34	44.90	12.12	32.78	79.36
	(36)	Comb.	5.24	112.61	42.45	11.56	30.89
14. Uttar Pradesh	1	4.53	114.87	31.89	13.53	18.36	111.09
	2	4.50	117.39	38.93	15.50	23.43	134.89
	3	4.78	116.30	32.92	14.87	18.05	88.17
	4	4.68	120.19	36.34	16.05	20.29	223.39
	(101)	Comb.	4.62	117.14	34.79	14.93	19.86
15. West Bengal	1	3.42	157.06	18.46	3.08	15.38	89.77
	2	3.03	147.88	20.05	9.27	10.78	137.54
	3	3.60	125.87	20.53	2.88	17.65	40.02
	4	3.95	117.35	24.76	2.85	21.91	53.09
	(72)	Comb.	3.49	135.03	21.02	4.36	16.66
16. All-India* (urban)	1	4.56	113.78	31.93	9.57	22.36	87.84
	2	4.62	111.72	32.91	9.69	23.22	99.80
	3	4.59	111.17	33.73	9.37	24.36	73.46
	4	4.61	112.73	33.79	9.12	24.67	106.93
	(779)	Comb.	4.59	112.34	33.08	9.44	23.64

*Delhi, Himachal Pradesh, Manipur & Tripura are included.

TABLE (1.3).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples : third sub-round, NSS 18th round (urban)

state (number of sample blocks)	sample	average house- hold size	sex ratio	rates per 1,000 persons			infant mortality rate per 1,000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh (68)	1	3.86	109.04	25.95	7.89	18.06	87.74
	2	4.64	109.03	34.84	5.23	29.61	74.99
	3	4.57	94.74	27.97	8.64	19.33	108.45
	4	4.68	105.94	42.54	6.05	36.49	89.89
	Comb.	4.39	104.66	32.78	6.97	25.81	89.49
2. Assam (24)	1	5.59	166.63	21.75	—	21.75	—
	2	4.67	139.67	2.74	—	2.74	—
	3	4.49	167.11	25.97	5.19	20.78	—
	4	6.33	122.52	21.11	—	21.11	—
	Comb.	5.34	141.58	18.63	1.08	17.55	—
3. Bihar (52)	1	4.57	112.77	26.59	5.15	21.44	64.52
	2	4.15	138.80	23.91	4.90	19.01	76.92
	3	4.49	114.04	30.04	11.07	18.97	—
	4	4.31	120.19	27.51	3.06	24.45	66.67
	Comb.	4.35	122.14	26.85	5.79	21.06	52.29
4. Gujarat (32)	1	5.13	102.18	31.26	3.35	27.91	71.43
	2	4.78	110.49	30.21	6.74	23.47	77.67
	3	5.03	110.84	27.86	11.94	15.92	190.48
	4	4.90	108.99	31.80	6.06	25.74	76.19
	Comb.	4.95	108.32	30.29	7.09	23.20	101.06
5. Jammu & Kashmir (24)	1	5.46	116.27	16.12	1.74	14.38	—
	2	5.73	116.37	44.97	8.22	36.75	148.39
	3	5.53	103.11	30.27	3.82	26.45	—
	4	5.56	101.12	29.88	10.98	18.90	57.35
	Comb.	5.57	109.85	30.42	6.00	24.42	73.94
6. Kerala (24)	1	4.58	95.56	26.63	5.33	21.30	—
	2	5.81	107.40	30.74	—	30.74	—
	3	5.19	113.86	26.85	11.11	15.74	68.93
	4	5.26	88.33	28.31	16.17	12.14	95.38
	Comb.	5.19	102.15	28.06	8.27	19.79	42.10
7. Madhya Pradesh (49)	1	4.74	103.90	31.39	12.25	19.14	177.42
	2	4.28	109.89	46.51	11.31	35.20	121.59
	3	4.20	120.18	32.71	8.58	24.13	131.09
	4	4.15	114.69	44.36	13.31	31.05	185.80
	Comb.	4.36	111.37	37.95	11.39	26.56	154.70
8. Madras (60)	1	3.60	120.27	40.28	11.43	28.85	94.59
	2	4.44	96.30	37.04	7.29	29.75	32.80
	3	4.23	100.68	30.41	6.76	23.65	74.09
	4	4.52	107.28	33.46	11.15	22.31	166.65
	Comb.	4.15	106.05	35.30	9.21	26.09	92.37

TABLE (1.3) contd.—Average house hold size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all India from four interpenetrating samples: third sub-round, NSS 18th round (urban)

state (number of sample blocks)	sample	average house- hold size	sex ratio	rates per 1000 persons			infant mortality rate per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
9. Maharashtra	1	4.80	118.06	32.38	6.29	26.09	60.36
	2	4.34	123.42	33.35	5.71	27.64	70.47
	3	5.08	116.55	26.69	7.87	18.82	153.21
	4	5.01	115.56	29.97	3.81	26.16	38.40
	(100)	comb.	4.79	118.35	30.56	5.91	24.65
10. Mysore	1	5.55	102.34	30.24	7.08	23.16	42.55
	2	5.48	102.32	28.33	15.07	13.26	63.83
	3	5.50	100.49	31.78	8.96	22.82	102.56
	4	4.91	101.38	27.51	6.19	21.32	—
	(36)	comb.	5.35	101.71	29.35	9.50	19.85
11. Orissa	1	4.05	100.09	30.70	—	30.70	—
	2	4.55	103.62	22.32	4.13	18.19	92.58
	3	3.96	113.58	18.78	2.13	16.65	113.61
	4	4.80	100.47	16.17	—	16.17	—
	(24)	comb.	4.28	104.56	22.40	1.70	20.70
12. Punjab	1	5.04	118.56	39.26	7.42	31.84	52.06
	2	3.74	139.56	19.07	4.92	14.15	140.63
	3	5.16	104.22	38.71	3.07	35.64	48.06
	4	4.78	119.97	33.05	4.07	28.98	—
	(28)	comb.	4.64	117.44	32.96	4.49	28.47
13. Rajasthan	1	5.18	101.02	34.71	11.57	23.14	104.17
	2	5.02	108.45	36.12	8.24	27.88	70.18
	3	5.22	104.84	44.01	15.48	28.53	148.15
	4	4.83	107.99	37.61	19.62	17.99	195.65
	(36)	comb.	5.06	105.59	37.89	13.31	24.58
14. Uttar Pradesh	1	4.37	123.79	39.65	11.60	28.05	179.04
	2	4.50	109.89	39.39	8.50	30.89	68.20
	3	4.56	120.05	35.24	10.53	24.71	121.53
	4	4.38	123.85	29.11	14.29	14.82	151.48
	(95)	comb.	4.45	119.86	35.77	11.33	24.44
15. West Bengal	1	4.15	127.79	24.28	1.82	22.46	74.98
	2	3.40	149.04	13.70	6.04	7.66	67.84
	3	3.82	137.59	21.39	1.67	19.72	—
	4	2.33	198.14	16.36	5.53	10.80	162.13
	(72)	comb.	3.31	148.98	19.28	3.54	15.74
16. All-India *(urban)	1	4.48	113.82	31.92	7.53	24.39	94.05
	2	4.40	116.27	30.79	7.27	23.52	76.28
	3	4.65	112.24	30.53	7.54	22.99	95.53
	4	4.28	118.72	29.59	8.25	21.34	99.63
	(768)	comb.	4.45	115.20	30.68	7.65	24.03

*Delhi, Himachal Pradesh, Manipur and Tripura are included.

TABLE (1.4).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples : fourth sub-round, NSS 18th round (urban).

State (number of sample blocks)	sample	average household size	sex ratio	rate per 1000 persons			infant mortality rate per 1000 live-births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh .	1	4.58	105.59	32.45	19.61	12.84	178.44
	2	4.39	107.26	33.11	4.45	26.66	29.24
	3	4.88	104.10	28.37	5.60	22.77	108.83
	4	4.23	102.06	32.22	3.52	28.70	27.32
	(60)	comb.	4.50	104.63	31.51	7.73	23.78
2. Assam	1	4.42	135.72	29.02	4.92	24.10	—
	2	4.66	140.89	34.51	—	34.51	—
	3	4.22	114.39	21.48	—	21.48	—
	4	3.70	134.22	13.89	4.12	9.77	148.17
	(24)	comb.	4.15	128.24	22.85	2.22	20.63
3. Bihar	1	4.70	132.74	19.50	6.50	13.00	212.12
	2	4.27	116.83	31.23	9.27	21.96	140.62
	3	4.75	105.62	29.17	6.63	22.54	99.95
	4	4.24	119.53	25.10	6.84	18.26	181.22
	(52)	comb.	4.46	119.03	26.40	7.50	18.90
4. Gujarat	1	4.95	101.81	24.97	2.56	26.61	—
	2	5.52	118.50	23.43	6.12	17.31	68.18
	3	5.28	107.87	41.34	4.05	37.29	62.94
	4	4.66	114.92	36.65	6.38	30.27	90.91
	(32)	comb.	5.09	111.00	30.80	4.88	25.92
5. Jammu & Kashmir	1	5.91	124.57	25.97	3.74	22.23	—
	2	5.25	135.94	29.75	4.01	25.74	—
	3	5.80	119.17	15.94	6.52	9.42	75.58
	4	6.13	123.77	18.31	3.66	14.65	100.00
	(24)	comb.	5.79	124.70	22.08	4.62	17.46
6. Kerala	1	5.49	107.97	32.16	4.59	27.57	—
	2	5.19	113.73	34.71	6.43	28.28	74.12
	3	5.19	98.22	26.87	7.47	19.40	55.56
	4	5.57	101.09	23.47	8.12	15.35	38.48
	(24)	comb.	5.37	104.79	28.67	6.86	21.81
7. Madhya Pradesh	1	4.74	102.25	40.00	10.70	29.30	116.32
	2	4.99	109.34	48.73	15.49	33.24	112.19
	3	4.56	104.54	41.44	13.21	28.23	72.41
	4	4.68	115.68	25.31	8.08	17.23	—
	(47)	comb.	4.75	107.70	39.32	11.97	27.35
8. Madras	1	4.47	111.34	36.93	5.58	31.35	94.36
	2	4.41	105.13	34.60	9.61	24.99	148.14
	3	4.08	108.37	29.49	10.04	19.45	106.38
	4	4.44	96.24	31.10	6.58	24.52	96.15
	(60)	comb.	4.34	104.84	32.90	7.98	24.92

TABLE (1.4) contd.—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples: fourth sub-round, NSS 18th round (urban)

state (number of sample blocks)	sample	average house- hold- size	sex ratio	rate per 1000 persons			infant mortality rate per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
9. Maharashtra (100)	1	4.49	131.99	25.96	6.58	19.38	79.36
	2	4.81	108.83	33.27	4.53	28.74	33.76
	3	5.07	114.58	27.58	7.90	19.68	46.56
	4	4.76	117.70	29.84	3.85	25.99	64.06
	comb.	4.75	118.86	29.00	5.75	23.25	56.04
10. Mysore (36)	1	5.51	111.72	42.70	9.34	33.36	78.12
	2	5.11	103.55	39.24	2.91	36.33	92.59
	3	4.30	115.60	44.68	5.67	39.01	63.49
	4	5.26	101.41	26.47	7.02	19.45	61.22
	comb.	5.13	107.51	37.48	6.36	31.12	73.91
11. Orissa (24)	1	4.34	106.77	27.59	10.35	17.24	156.19
	2	3.78	115.33	22.28	5.86	16.42	87.71
	3	4.30	110.28	20.46	15.61	4.85	389.72
	4	4.00	103.39	24.49	—	24.49	—
	comb.	4.10	109.24	23.46	8.57	14.89	165.15
12. Punjab (28)	1	5.00	110.53	42.50	2.71	39.79	63.72
	2	4.60	110.47	31.12	8.72	22.40	98.49
	3	5.23	104.72	27.49	3.48	24.01	56.34
	4	4.58	110.68	47.11	11.83	35.28	99.53
	comb.	4.86	108.91	36.88	6.48	30.40	79.82
13. Rajasthan (36)	1	4.84	112.39	31.53	6.91	24.62	109.59
	2	4.70	105.31	36.18	13.56	22.62	53.57
	3	4.98	107.48	41.19	7.21	33.98	100.00
	4	4.90	112.48	36.60	13.62	22.98	186.05
	comb.	4.87	108.96	36.41	10.91	25.50	108.21
14. Uttar Pradesh (93)	1	4.19	120.69	36.10	10.08	26.02	161.92
	2	4.56	118.11	37.81	18.60	19.21	185.68
	3	4.61	123.29	30.19	11.69	18.50	124.88
	4	4.46	114.64	39.10	11.03	28.07	118.59
	comb.	4.46	119.03	35.84	13.01	22.83	148.30
15. West Bengal (72)	1	3.41	145.82	24.44	5.48	18.96	121.51
	2	3.67	141.85	26.83	5.81	21.02	49.99
	3	4.04	128.41	17.87	2.28	15.59	39.23
	4	4.10	123.19	32.15	3.30	28.85	—
	comb.	3.80	133.95	24.87	4.08	20.79	48.42
16. All-India *(urban) (752)	1	4.50	119.35	31.87	7.54	24.33	98.62
	2	4.60	113.69	33.65	8.68	24.97	93.44
	3	4.64	113.01	30.59	7.15	23.44	79.41
	4	4.58	114.09	32.06	6.77	25.29	76.88
	comb.	4.58	114.09	32.06	7.54	24.52	87.27

*Delhi, Himachal Pradesh, Manipur & Tripura are included.

TABLE (1.5).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples : fifth sub-round, NSS 18th round (urban)

State (number of sample blocks)	sample	average house- hold size	sex ratio	rate per 1000 persons			infant mortality rate per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh	1	4.65	104.13	35.53	6.02	29.51	65.21
	2	4.80	100.22	20.89	6.30	14.59	68.97
	3	4.51	109.00	31.36	11.20	20.16	81.63
	4	4.79	101.02	29.18	11.96	17.22	62.10
	(60)	comb.	4.68	103.72	29.55	8.83	20.72
2. Assam	1	5.00	151.03	25.97	11.40	14.57	97.59
	2	4.80	120.87	7.33	1.63	5.70	—
	3	4.65	143.64	15.84	3.44	12.40	—
	4	4.74	112.06	31.74	—	31.74	—
	(24)	comb.	4.80	129.91	18.27	3.94	14.33
3. Bihar	1	4.35	114.26	26.33	2.88	23.45	51.18
	2	4.63	111.54	35.44	10.63	24.81	100.00
	3	4.83	121.55	35.80	14.01	21.79	217.39
	4	4.86	106.66	30.84	6.85	23.99	22.22
	(50)	comb.	4.65	113.03	31.79	8.24	23.55
4. Gujarat	1	4.93	105.72	31.02	4.16	26.86	51.55
	2	5.10	107.08	31.72	5.16	26.56	—
	3	4.81	102.40	29.68	12.57	17.11	94.12
	4	4.90	109.61	31.57	3.28	28.29	75.47
	(32)	comb.	4.95	106.37	31.08	6.04	25.04
5. Jammu & Kashmir	1	6.00	102.70	30.10	6.26	23.84	—
	2	5.67	110.58	27.82	6.26	21.56	—
	3	6.03	107.08	27.72	5.44	22.28	—
	4	5.48	140.90	22.70	5.62	17.08	82.46
	(24)	comb.	5.81	112.43	27.48	5.93	21.55
6. Kerala	1	5.49	96.45	29.71	7.75	21.96	86.92
	2	4.36	122.62	21.99	5.49	16.50	124.89
	3	5.90	103.99	33.90	9.13	24.77	76.87
	4	5.05	117.44	37.43	1.34	36.09	—
	(24)	comb.	5.15	109.37	30.83	5.97	24.86
7. Madhya Pradesh	1	4.93	105.82	27.71	10.87	16.84	39.19
	2	5.19	112.66	34.63	12.15	22.48	140.25
	3	5.03	109.20	26.72	4.16	22.56	88.89
	4	4.64	112.47	31.38	6.97	24.41	74.03
	(46)	comb.	4.93	109.94	30.00	8.43	21.57
8. Madras	1	4.54	101.59	34.13	8.93	25.20	31.55
	2	4.05	94.10	26.73	6.08	20.65	136.34
	3	4.71	98.26	36.60	5.86	30.74	—
	4	4.51	95.90	31.44	7.84	23.60	71.30
	(58)	comb.	4.43	97.44	32.06	7.26	24.80

TABLE (1.5) contd.—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all India from four interpenetrating samples: fifth sub-round, NSS 18th round (urban).

State (number of sample blocks)	sample	average house- hold size	sex ratio	rate per 1000 persons			infant mortality rate per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
9. Maharashtra	1	4.03	128.25	24.33	8.94	15.39	70.76
	2	4.57	109.37	38.04	6.69	31.35	69.72
	3	4.86	127.07	29.11	4.16	24.95	23.27
	4	5.04	130.29	32.88	8.74	24.14	114.55
	(100)	comb.	4.63	122.73	31.81	7.18	24.63
10. Mysore	1	4.72	111.41	20.69	12.35	8.34	134.07
	2	5.05	96.82	43.62	12.12	31.50	74.07
	3	4.67	98.64	23.06	10.43	12.63	35.71
	4	5.03	96.16	29.99	5.51	24.48	61.22
	(36)	comb.	4.87	100.40	29.28	9.80	19.48
11. Orissa	1	4.20	117.97	35.04	5.36	29.68	35.32
	2	4.44	121.74	18.00	5.00	13.00	138.86
	3	4.21	132.11	31.70	2.52	29.18	
	4	3.88	101.72	24.81	11.80	13.01	245.88
	(24)	comb.	4.16	116.92	27.61	6.42	21.19
12. Punjab	1	4.84	100.13	53.57	8.56	45.01	94.25
	2	4.89	113.86	30.24	6.48	23.76	77.38
	3	5.23	114.45	34.54	8.49	26.05	158.48
	4	5.38	105.82	29.42	4.78	24.64	49.25
	(36)	comb.	5.10	108.55	35.77	6.86	28.91
13. Rajasthan	1	5.00	111.84	27.50	10.08	17.42	166.67
	2	3.93	116.92	30.33	7.80	22.53	171.43
	3	5.04	106.99	38.96	19.91	19.05	200.00
	4	5.13	102.90	36.16	2.85	33.31	26.32
	(28)	comb.	4.71	109.66	33.25	10.33	22.92
14. Uttar Pradesh	1	4.41	121.03	38.38	16.03	22.35	112.76
	2	4.36	127.50	31.67	12.52	19.15	162.06
	3	4.44	114.44	37.57	13.23	24.34	125.02
	4	4.86	122.07	40.68	10.56	30.12	137.02
	(92)	comb.	4.53	121.27	37.18	12.89	24.29
15. West Bengal	1	3.28	153.77	17.93	1.52	16.41	28.29
	2	4.38	124.36	16.26	3.54	12.72	
	3	3.95	133.35	37.60	6.07	31.53	55.89
	4	3.79	141.68	17.95	2.56	13.39	35.70
	(72)	comb.	3.77	138.75	21.81	3.25	18.56
16. All-India* (urban)	1	4.36	116.11	30.45	8.12	22.33	70.96
	2	4.58	110.81	30.32	7.45	22.87	87.47
	3	4.67	113.09	32.38	9.00	23.38	84.18
	4	4.72	113.85	31.58	6.94	24.64	83.32
	(746)	comb.	4.58	113.43	31.16	7.84	23.32

*Delhi, Himachal Pradesh, Manipur & Tripura are included.

TABLE (1.6).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples : sixth sub-round, NSS 18th round (urban).

State (number of sample blocks)	sample	average house- hold size	sex ratio	rates per 1000 persons			infant mortality rates per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh	1	4.58	95.53	34.62	8.93	25.69	—
	2	3.97	104.24	27.45	8.27	19.18	134.61
	3	4.50	98.77	39.70	9.29	30.41	112.18
	4	4.86	99.49	22.27	5.84	16.43	106.54
	(60)	comb.	4.44	99.53	30.83	8.06	22.77
2. Assam	1	4.30	96.00	28.43	—	28.43	—
	2	3.87	133.15	36.54	—	36.54	—
	3	5.31	128.49	22.00	2.44	19.56	—
	4	5.04	116.05	10.89	—	10.89	—
	(24)	comb.	4.69	115.80	21.09	0.49	20.60
3. Bihar	1	3.68	140.31	25.31	7.06	18.25	162.79
	2	4.12	120.33	22.32	8.93	13.39	133.33
	3	4.57	113.39	29.24	7.85	21.39	48.78
	4	4.36	111.72	39.61	21.84	17.77	217.95
	(50)	comb.	4.14	121.01	30.07	12.29	17.78
4. Gujarat	1	4.85	111.79	21.68	6.15	15.53	108.11
	2	4.74	99.82	39.28	9.51	29.77	140.62
	3	4.85	121.83	28.26	3.06	25.20	—
	4	4.92	106.39	33.42	5.26	28.16	138.89
	(32)	comb.	4.84	109.39	30.60	6.07	24.53
5. Jammu and Kashmir	1	5.74	111.76	10.44	4.18	6.26	200.00
	2	5.98	120.99	29.36	2.52	26.84	42.96
	3	5.01	141.32	14.43	10.65	3.78	—
	4	5.53	113.16	11.46	—	11.46	—
	(24)	comb.	5.59	121.15	18.18	3.89	14.29
6. Kerala	1	3.60	106.94	30.31	19.14	11.17	157.85
	2	5.25	97.43	24.81	10.45	14.36	—
	3	5.52	105.98	27.88	6.97	20.91	—
	4	4.17	89.92	23.57	7.86	15.71	—
	(24)	comb.	4.62	100.65	26.78	10.86	15.92
7. Madhya Pradesh	1	4.66	112.84	35.41	3.49	31.92	70.44
	2	4.88	111.56	39.44	7.88	31.56	93.33
	3	5.20	116.09	38.19	8.91	29.28	100.01
	4	4.57	115.48	32.51	7.86	24.65	48.35
	(44)	comb.	4.80	113.87	36.29	6.90	29.39
8. Madras	1	4.25	97.51	31.55	7.88	23.67	133.31
	2	4.03	100.26	34.37	8.43	25.94	132.06
	3	3.88	97.62	29.17	3.17	26.00	43.46
	4	4.50	6.16	26.53	5.68	20.85	—
	(56)	comb.	4.16	97.85	30.44	6.36	24.08

TABLE (1.6) contd.—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples: sixth sub-round, NSS 18th round (urban)

state (number of sample blocks)	sample	average house- hold size	sex ratio	rates per 1000 persons			infant mortality rates per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
9. Maharashtra	1	4.83	116.27	31.81	4.76	27.05	27.91
	2	4.96	105.67	33.98	7.75	26.23	79.11
	3	4.82	110.68	29.28	5.58	23.70	48.28
	4	5.14	113.48	35.84	5.07	30.77	15.31
	(97)	comb.	4.94	111.72	32.79	5.72	27.07
10. Mysore	1	4.92	105.39	30.76	5.25	25.51	24.39
	2	5.36	117.69	26.86	4.03	22.83	—
	3	5.12	96.33	31.41	4.49	26.92	—
	4	4.78	112.08	33.94	7.27	26.67	107.14
	(36)	comb.	5.03	108.06	30.81	5.34	25.47
11. Orissa	1	4.62	96.68	26.65	9.12	17.53	210.50
	2	3.63	126.91	20.32	4.06	16.26	54.59
	3	4.55	107.23	33.63	6.22	27.41	185.10
	4	3.90	101.50	32.61	3.71	28.90	—
	(24)	comb.	4.02	109.25	27.85	5.21	22.64
12. Punjab	1	4.68	103.80	34.71	—	34.71	—
	2	4.64	118.91	38.22	8.82	29.40	201.19
	3	4.53	112.63	28.45	6.55	21.90	127.00
	4	4.80	104.55	26.89	4.51	22.38	26.17
	(28)	comb.	4.68	109.15	31.34	4.97	26.37
13. Rajasthan	1	3.98	129.40	32.49	8.86	23.63	127.27
	2	3.98	138.43	49.75	8.96	40.79	60.00
	3	4.14	121.16	38.28	7.18	31.10	104.17
	4	4.20	103.17	36.10	13.13	22.97	181.82
	(36)	comb.	4.06	124.75	39.99	9.39	30.60
14. Uttar Pradesh	1	4.51	117.38	35.91	14.35	21.56	135.28
	2	4.48	113.60	35.01	11.58	23.43	117.20
	3	4.65	108.62	43.77	14.12	29.65	171.69
	4	4.83	120.09	37.07	9.81	27.26	106.30
	(92)	comb.	4.60	114.40	38.18	12.70	25.48
15. West Bengal	1	3.66	138.37	19.24	0.90	18.34	46.53
	2	3.62	139.10	22.03	1.21	20.82	27.51
	3	4.25	124.86	19.28	4.28	15.00	33.33
	4	3.29	159.12	21.64	1.64	20.00	37.97
	(72)	comb.	3.69	138.69	20.38	1.90	18.48
16. All-India* (urban)	1	4.26	115.94	29.72	6.65	23.07	79.73
	2	4.40	113.38	33.12	7.48	25.64	93.27
	3	4.56	109.99	32.25	7.02	25.23	83.38
	4	4.55	111.62	30.63	6.86	23.77	76.30
	(739)	comb.	4.43	112.80	31.38	7.00	24.38

*Delhi, Himachal Pradesh, Manipur and Tripura are included.

TABLE (1.7).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples : first to sixth sub-round combined, NSS 18th round (urban)

State (number of sample blocks)	sample	average house- hold size	sex ratio	rates per 1000 persons			infant mortality rates per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh	1	4.46	102.61	32.10	9.59	22.51	99.38
	2	4.50	103.47	28.51	6.89	21.62	85.70
	3	4.55	103.37	31.92	8.80	23.12	101.10
	4	4.65	103.74	32.27	6.91	25.36	64.45
	(384)	Comb.	4.54	103.30	31.21	8.04	23.17
2. Assam	1	4.57	133.81	30.70	5.91	24.79	38.70
	2	4.59	127.13	18.95	3.03	15.92	68.59
	3	4.45	133.98	25.18	2.30	22.88	22.82
	4	4.75	127.17	16.86	1.67	15.19	59.42
	(144)	Comb.	4.59	130.39	22.27	3.21	19.06
3. Bihar	1	4.44	123.06	28.52	7.17	21.35	113.48
	2	4.28	124.83	27.26	7.87	19.39	100.42
	3	4.65	113.97	30.15	9.60	20.55	68.33
	4	4.20	119.60	30.22	8.68	21.54	114.69
	(312)	Comb.	4.38	120.65	29.21	8.40	20.81
4. Gujarat	1	5.00	108.60	28.38	6.22	22.16	51.57
	2	5.16	107.41	30.73	6.18	24.55	54.18
	3	4.94	110.90	35.25	10.42	24.83	84.46
	4	4.91	109.20	32.38	5.23	27.15	92.48
	(192)	Comb.	5.00	108.98	31.65	6.97	24.68
5. Jammu & Kashmir	1	5.84	113.04	22.08	4.52	17.56	22.39
	2	5.70	118.48	34.51	5.24	29.27	65.63
	3	5.49	118.67	23.89	5.67	18.22	30.37
	4	5.61	114.90	24.10	4.68	19.42	59.09
	(144)	Comb.	5.66	116.24	26.34	5.02	21.32
6. Kerala	1	4.94	100.09	27.75	8.87	18.88	40.97
	2	5.14	107.12	30.27	7.41	22.86	43.17
	3	5.32	105.94	29.05	7.41	21.64	32.67
	4	5.31	97.33	29.25	9.68	19.57	82.77
	(144)	Comb.	5.19	102.58	29.10	8.33	20.77
7. Madhya Pradesh	1	4.71	109.07	36.76	10.17	26.59	92.63
	2	4.86	109.33	40.68	11.13	29.55	124.35
	3	4.70	111.69	35.43	9.97	25.46	127.74
	4	4.68	111.31	33.08	10.35	22.73	117.43
	(288)	Comb.	4.74	110.31	36.49	10.40	26.09
8. Madras	1	4.20	103.63	34.52	8.91	25.61	82.34
	2	4.26	100.79	34.55	8.45	26.10	101.82
	3	4.39	99.97	31.87	8.41	23.46	57.50
	4	4.45	99.26	31.89	7.63	24.26	84.82
	(360)	Comb.	4.32	100.91	33.21	8.34	24.87

TABLE (1.7) contd.—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the urban areas of different states and all-India from four interpenetrating samples : first to six sub-round combined, NSS 18th round (urban)

State (number of sample blocks)	sample	average house- hold size	sex ratio	rates per 1000 persons			infant mortality rates per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
9. Maharashtra (660)	1	4.73	121.12	30.25	6.88	23.37	75.98
	2	4.71	113.71	33.98	6.89	27.09	66.73
	3	4.99	115.51	32.18	7.18	25.00	80.18
	4	4.85	117.47	30.41	6.06	24.35	68.44
	Comb.	4.80	117.14	31.50	6.59	24.91	69.76
10. Mysore (216)	1	5.08	107.34	31.78	9.06	22.72	61.4
	2	5.08	105.48	34.73	8.54	26.19	101.01
	3	4.74	102.90	33.17	7.13	26.04	65.93
	4	4.87	104.02	30.32	6.90	23.42	93.28
	Comb.	4.94	104.93	32.48	7.90	24.58	80.83
11. Orissa (144)	1	4.29	106.97	31.32	4.95	26.37	56.30
	2	4.18	112.09	25.08	6.11	18.97	133.32
	3	4.22	112.37	25.63	6.84	18.79	140.73
	4	3.96	105.91	29.56	5.58	23.98	75.47
	Comb.	4.16	109.43	27.76	5.90	21.86	99.98
12. Punjab (168)	1	4.30	118.02	34.99	4.87	30.12	59.83
	2	4.47	118.71	31.57	7.12	24.45	89.43
	3	4.92	109.42	33.67	6.68	26.99	101.55
	4	4.90	109.88	33.12	4.71	28.41	37.85
	Comb.	4.65	113.66	33.31	5.88	27.43	72.57
13. Rajasthan (216)	1	4.78	112.55		12.88	25.00	178.17
	2	4.55	116.63	39.33	9.69	29.64	85.96
	3	4.81	115.14	39.31	12.52	26.79	134.14
	4	4.88	110.17	39.27	12.41	26.86	142.36
	Comb.	4.74	113.73	38.95	11.80	27.15	133.30
14. Uttar Pradesh (576)	1	4.42	119.47	36.12	13.11	23.01	131.13
	2	3.43	119.68	36.39	12.72	23.67	135.28
	3	4.69	118.70	36.42	13.65	22.77	119.36
	4	4.61	119.62	37.82	13.01	24.81	150.02
	Comb.	4.53	118.67	37.08	13.15	23.93	136.77
15. West Bengal (432)	1	3.62	141.33	22.53	2.97	19.56	54.44
	2	3.64	143.12	19.33	4.90	14.43	51.04
	3	3.84	132.59	23.49	4.37	19.12	51.95
	4	3.39	144.05	23.02	3.56	19.46	49.82
	Comb.	3.62	140.03	22.12	3.93	18.19	51.94
16. All-India* (urban) (4,572)	1	4.45	115.61	31.60	8.14	23.46	87.84
	2	4.51	114.08	32.22	8.01	24.21	90.13
	3	4.62	112.51	32.42	8.56	23.86	89.22
	4	4.53	113.29	31.46	7.62	23.84	92.66
	Comb.	4.53	113.87	31.93	8.08	23.85	89.96

*Delhi, Himachal Pradesh, Manipur and Tripura are included.

TABLE (2·1).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : first sub-round, NSS 18th round (rural)

State (number of sample villages)	sample	average house- hold size	sex ratio	rates per 1000 persons			infant mortality rate per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh	1	4·70	100·23	37·11	10·98	26·13	91·84
	2	4·62	103·25	34·39	11·92	22·47	148·51
	3	4·69	100·27	39·69	9·92	29·77	68·18
	4	4·85	103·86	36·31	9·27	27·04	106·38
	(112)	Comb.	4·71	101·96	36·74	10·58	26·16
2. Assam	1	5·67	115·64	28·59	9·06	19·53	73·17
	2	5·22	108·11	23·24	6·15	17·09	117·65
	3	5·89	110·96	32·98	6·60	26·38	150·00
	4	5·89	119·39	21·66	2·60	19·06	40·00
	(60)	Comb.	5·63	113·25	26·63	6·32	20·31
3. Bihar	1	5·22	102·45	36·59	11·87	24·72	128·38
	2	5·69	98·89	35·64	9·43	26·21	82·64
	3	5·47	101·02	40·07	13·83	26·24	119·72
	4	5·43	100·86	29·81	9·60	20·21	110·17
	(128)	Comb.	5·43	100·90	35·46	11·21	24·25
4. Gujarat	1	5·34	107·66	42·10	9·23	32·87	68·49
	2	5·73	108·21	43·31	12·28	31·03	134·33
	3	5·45	97·24	32·40	15·88	16·52	137·25
	4	5·55	107·15	36·25	6·33	29·92	31·75
	(60)	Comb.	5·51	105·07	38·53	10·77	27·76
5. Jammu & Kashmir	1	5·72	112·95	32·75	12·28	20·47	17·86
	2	5·89	113·77	41·73	5·12	36·61	52·63
	3	5·95	112·91	39·66	7·00	32·66	98·04
	4	5·68	113·36	45·04	9·85	35·19	93·75
	(60)	Comb.	5·80	113·24	39·43	8·82	30·61
6. Kerala	1	5·94	93·63	39·47	8·22	31·25	111·11
	2	5·75	92·48	34·46	9·77	24·69	59·70
	3	5·22	92·42	33·35	10·92	22·43	109·09
	4	5·37	98·06	44·21	15·28	28·94	37·04
	(60)	Comb.	5·57	94·13	37·94	11·04	26·90
7. Madhya Pradesh	1	5·17	105·61	46·15	16·05	30·10	147·83
	2	5·79	98·45	44·08	15·60	28·48	207·69
	3	4·97	86·91	42·47	17·44	25·03	196·43
	4	5·00	100·75	39·94	21·62	18·32	235·29
	(120)	Comb.	5·23	100·48	43·33	17·42	25·91
8. Madras	1	4·33	104·88	37·06	16·41	20·65	128·57
	2	4·20	101·07	38·26	14·68	23·58	69·77
	3	3·62	106·41	25·87	13·17	12·70	181·82
	4	4·45	99·10	34·99	11·94	23·05	82·35
	(104)	Comb.	4·13	102·61	34·05	13·92	20·13

TABLE (2.1) contd.—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : first sub-round NSS 18th round (rural)

State (number of sample villages)	sample	average house- hold size	sex ratio	rates per 1000 persons			infant mortality rate per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
9. Maharashtra (116)	1	4.83	102.21	45.38	13.45	31.93	157.41
	2	5.34	104.62	36.46	13.02	23.44	154.76
	3	5.10	103.84	35.50	9.84	25.66	96.38
	4	4.96	108.24	39.59	17.77	21.82	115.38
	Comb.	5.05	104.52	39.28	13.31	25.97	133.10
10. Mysore (68)	1	5.17	101.54	33.81	15.81	18.00	161.29
	2	5.22	101.59	34.02	17.41	16.61	162.80
	3	5.23	101.84	34.13	14.79	19.34	200.00
	4	5.59	105.26	33.05	18.23	14.82	172.41
	Comb.	5.30	102.59	33.73	16.48	17.25	174.66
11. Orissa (60)	1	4.71	106.19	32.33	8.47	23.86	71.43
	2	4.78	89.93	28.79	3.03	25.76	
	3	4.60	93.54	45.21	18.30	26.91	214.28
	4	4.56	98.12	28.39	12.62	15.77	111.11
	Comb.	4.68	96.63	34.09	10.02	24.07	107.97
12. Punjab (60)	1	5.68	109.68	39.68	14.43	25.25	254.54
	2	5.71	110.37	50.51	11.88	38.63	94.11
	3	5.73	122.67	42.73	8.18	34.55	63.83
	4	5.83	116.23	45.33	14.16	31.17	203.12
	Comb.	5.73	114.03	44.85	12.34	32.51	151.82
13. Rajasthan (64)	1	5.42	106.10	52.02	15.25	36.77	120.69
	2	5.20	111.20	38.56	9.11	29.45	125.00
	3	5.16	113.87	39.56	19.46	20.10	163.93
	4	4.87	112.69	37.84	16.47	21.37	247.06
	Comb.	5.16	110.57	42.54	14.97	27.57	160.75
14. Uttar Pradesh (176)	1	5.05	108.20	51.06	25.42	25.64	240.66
	2	5.07	111.14	47.40	15.93	31.47	194.33
	3	4.98	111.55	43.90	21.61	22.29	248.70
	4	5.04	106.41	41.74	16.18	25.56	233.48
	Comb.	5.04	109.20	45.97	19.56	26.41	228.05
15. West Bengal (92)	1	5.01	109.13	34.76	7.58	27.18	102.56
	2	5.53	108.21	42.66	9.17	33.49	75.27
	3	5.34	110.58	36.56	8.84	27.72	153.85
	4	5.64	104.88	34.83	6.87	27.96	78.95
	Comb.	5.36	108.28	37.14	8.13	29.01	103.54
16. All-India* (rural) (1,412)	1	5.07	105.17	41.11	14.58	26.53	151.01
	2	5.21	103.94	39.38	11.98	27.40	132.42
	3	5.00	104.52	38.46	14.46	24.00	163.50
	4	5.14	104.99	36.85	13.28	23.57	151.42
	Comb.	5.10	104.66	38.99	13.57	25.42	149.26

*Delhi, Himachal Pradesh, Manipur and Tripura are included.

TABLE (2.2).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : second sub-round, NSS 18th round (rural).

State (number of sample villages)	sample	average house- hold size	sex ratio	rates per 1000 persons			infant mortality rate per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh .	1	4.73	102.90	38.87	11.73	27.14	169.81
	2	4.77	104.68	29.58	13.45	16.13	166.67
	3	4.65	99.90	33.25	7.71	25.54	144.93
	4	4.40	101.85	31.41	10.74	20.67	75.95
	(112)	Comb.	4.63	102.33	33.51	10.94	22.57
2. Assam	1	4.93	115.52	27.64	7.27	20.37	131.58
	2	5.56	112.69	27.19	4.64	22.55	48.78
	3	5.39	116.51	20.34	5.08	15.26	83.33
	4	5.63	107.66	12.30	1.76	10.54	
	(60)	Comb.	5.34	113.30	22.66	4.90	17.76
3. Bihar	1	5.31	112.55	31.61	8.37	23.24	125.00
	2	5.62	102.87	35.23	10.03	25.20	94.89
	3	5.40	103.24	31.04	8.47	22.57	103.90
	4	5.40	103.66	37.12	9.95	27.17	71.90
	(128)	Comb.	5.43	105.61	33.54	8.53	25.01
4. Gujarat	1	5.43	102.74	36.81	7.98	28.83	83.33
	2	5.38	109.84	37.69	6.70	30.99	66.67
	3	5.29	110.74	45.39	11.00	34.39	106.06
	4	5.54	105.81	38.99	7.69	31.30	65.79
	(60)	Comb.	5.42	106.94	39.76	8.39	31.37
5. Jammu & Kashmir	1	5.71	119.12	26.47	6.44	20.03	81.08
	2	6.30	116.16	40.53	14.68	25.85	34.48
	3	5.28	102.88	39.20	17.51	21.69	170.21
	4	5.66	108.48	37.36	9.32	28.02	71.43
	(60)	Comb.	5.72	111.46	35.93	11.95	23.98
6. Kerala	1	5.35	101.65	37.60	7.63	29.97	43.48
	2	5.49	95.04	27.13	9.04	18.09	41.67
	3	5.59	100.69	39.43	9.14	30.29	72.46
	4	5.36	104.10	31.02	13.79	17.23	37.04
	(60)	Comb.	5.45	100.31	33.83	9.87	23.96
7. Madhya Pradesh	1	4.94	101.82	35.20	17.15	18.05	141.02
	2	6.02	104.70	49.59	14.06	35.53	141.79
	3	4.95	109.59	49.22	13.38	35.84	157.89
	4	4.92	104.56	42.88	11.15	31.73	90.00
	(120)	Comb.	5.18	105.22	44.47	13.96	30.51
8. Madras	1	4.29	96.71	37.06	4.70	32.36	70.42
	2	4.47	96.81	32.38	16.19	16.19	132.35
	3	4.52	102.98	47.49	13.38	34.11	136.36
	4	4.41	99.28	34.26	13.70	20.56	94.12
	(104)	Comb.	4.43	99.05	37.89	12.19	25.70

TABLE (2.2) contd.—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : second sub-round, NSS 18th round (rural)

State (number of sample villages)	Sample	Average household size	Sex ratio	rates per 1000 persons			Infant mortality rate per 1000 live- births
				birth	death	growth	
1	2	3	4	5	6	7	8
9. Maharashtra	1	5.13	98.71	37.65	13.03	24.62	144.23
	2	4.94	100.46	38.67	13.15	25.52	130.00
	3	5.33	99.86	49.32	17.64	31.68	145.99
	4	5.32	102.97	40.86	22.92	17.94	113.82
	(116)	Comb.	5.19	100.50	41.73	16.83	24.90
10. Mysore	1	5.59	96.22	42.47	11.32	31.15	80.00
	2	5.03	106.34	42.66	12.80	29.86	80.00
	3	5.07	99.75	41.98	13.78	28.20	238.81
	4	5.36	96.61	35.19	17.93	17.26	132.08
	(68)	Comb.	5.35	99.09	40.08	13.68	26.40
11. Orissa	1	4.84	102.44	49.12	7.41	41.71	75.47
	2	4.57	104.96	44.29	12.46	31.83	109.38
	3	4.56	108.42	35.58	9.62	25.96	54.05
	4	4.63	105.55	33.22	6.92	26.30	62.50
	(60)	Comb.	4.64	105.38	40.18	9.20	30.98
12. Punjab	1	5.27	105.17	37.82	7.20	30.62	79.37
	2	5.60	106.20	30.74	4.10	26.64	44.44
	3	5.80	101.21	36.90	7.53	29.37	81.63
	4	5.70	111.47	47.55	8.04	39.51	70.42
	(60)	Comb.	5.59	105.56	38.17	6.80	31.37
13. Rajasthan	1	5.31	107.36	42.67	17.99	24.68	192.77
	2	5.58	98.11	47.19	29.87	17.32	215.19
	3	5.21	117.82	48.26	12.36	35.90	109.76
	4	5.34	115.82	60.16	17.98	42.18	91.95
	(64)	Comb.	5.36	109.22	48.94	19.52	29.42
14. Uttar Pradesh	1	5.20	104.49	43.13	21.44	21.69	177.51
	2	4.98	109.62	38.21	15.58	22.63	206.70
	3	5.23	106.89	40.02	23.26	16.76	240.84
	4	5.19	111.61	44.39	19.80	24.59	215.38
	(176)	Comb.	5.17	108.30	41.34	19.88	21.46
15. West Bengal	1	5.53	105.75	32.54	4.58	27.96	109.38
	2	5.42	111.81	29.78	8.24	21.54	106.38
	3	5.27	110.98	32.69	5.59	27.10	105.26
	4	5.24	99.53	34.54	4.26	30.29	27.40
	(92)	Comb.	5.36	106.68	32.57	5.49	27.08
16. All-India* (rural)	1	5.14	104.34	37.78	11.43	26.35	127.11
	2	5.19	104.65	37.09	12.91	24.18	134.04
	3	5.15	105.39	39.31	12.89	26.42	146.93
	4	5.10	104.99	38.47	13.07	25.40	105.45
	(1,412)	Comb.	5.14	104.84	38.19	12.56	25.63

*Delhi, Himachal Pradesh, Manipur and Tripura are included.

TABLE (2·3).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : third sub-round, NSS 18th round (rural).

State (number of sample villages)	sample	average household size	sex ratio	rates per 1000 persons			infant mortality rate per 1000 live births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh .	1	4·55	102·02	32·54	9·54	23·00	80·00
	2	4·86	102·36	40·13	9·33	30·80	23·26
	3	4·48	100·43	42·30	15·73	26·57	153·85
	4	4·72	106·33	42·94	14·31	28·63	133·33
	(112)	Comb.	4·65	102·94	39·31	12·11	27·20
2. Assam	1	4·52	132·15	20·33	5·08	15·25	62·50
	2	5·39	109·29	25·24	7·83	17·41	103·45
	3	6·18	103·43	21·92	3·37	18·55	76·92
	4	6·20	120·29	23·58	5·16	18·42	62·50
	(60)	Comb.	5·59	114·82	22·91	5·32	17·59
3. Bihar	1	5·39	97·91	36·30	15·72	20·58	125·98
	2	5·50	101·29	30·82	10·73	20·09	125·93
	3	5·10	99·04	33·08	14·70	18·38	111·11
	4	0·85	112·85	30·52	11·36	19·16	74·47
	(128)	Comb.	5·23	102·23	32·63	13·04	19·59
4. Gujarat	1	5·13	105·47	33·56	7·52	26·04	86·21
	2	5·58	106·77	21·82	5·45	16·37	41·67
	3	5·51	107·71	40·58	10·32	30·26	16·95
	4	5·26	102·47	36·55	10·31	26·24	51·28
	(60)	Comb.	5·34	105·73	33·65	8·41	25·24
5. Jammu & Kashmir	1	5·55	118·17	41·95	5·01	36·94	44·78
	2	5·60	109·65	45·32	12·23	33·09	95·24
	3	5·55	106·26	29·89	9·96	19·93	190·48
	4	5·63	105·41	32·89	11·70	21·19	133·33
	(60)	Comb.	5·58	109·63	36·83	9·59	27·24
6. Kerala	1	5·38	93·15	35·48	10·22	25·26	135·59
	2	6·00	94·43	40·39	8·92	31·47	93·02
	3	5·83	94·62	31·02	9·59	21·43	109·09
	4	5·58	99·16	26·65	10·29	16·36	52·631
	(60)	Comb.	5·70	95·48	33·36	9·74	23·62
7. Madhya Pradesh	1	5·01	103·85	49·29	16·54	32·75	157·53
	2	5·17	109·26	45·74	14·27	31·47	152·00
	3	4·86	104·71	43·88	14·03	29·85	131·15
	4	4·61	100·37	44·23	19·17	25·06	125·00
	(120)	Comb.	4·90	104·50	45·84	15·98	29·86
8. Madras	1	4·43	99·63	34·07	10·59	23·48	81·08
	2	4·47	95·54	35·61	10·02	25·59	93·75
	3	4·41	94·44	27·72	7·04	20·68	63·49
	4	4·37	101·81	45·97	10·58	35·39	106·19
	(104)	Comb.	4·42	98·00	36·09	9·54	26·55

TABLE (2:3) (contd).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : third sub-round, NSS 18th round (rural)

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1,000 persons			Infant mortality rate per 1,000 live-births
				birth	death	growth	
1	2	3	4	5	6	7	8
9. Maharashtra (116)	1	5.15	100.90	34.86	11.05	23.81	49.50
	2	5.24	99.10	42.37	13.99	28.38	97.09
	3	5.40	100.28	43.97	13.83	30.14	72.58
	4	5.36	102.70	43.01	12.04	30.97	100.00
	Comb.	5.28	100.71	40.87	12.70	28.17	79.44
10. Mysore (68)	1	5.68	109.32	28.02	7.90	20.12	102.56
	2	5.09	105.80	30.41	5.93	24.48	48.78
	3	5.09	103.59	45.10	14.80	30.30	140.63
	4	5.15	100.11	41.56	12.62	28.94	126.58
	Comb.	5.23	104.24	36.92	10.62	26.30	112.61
11. Orissa (60)	1	4.91	100.22	30.47	15.23	15.24	178.57
	2	4.75	100.76	36.12	6.97	29.15	52.63
	3	5.25	103.38	30.30	7.82	22.48	64.52
	4	4.88	92.79	49.46	20.51	28.95	146.34
	Comb.	4.93	99.81	35.90	11.37	24.53	100.81
12. Punjab (60)	1	5.44	119.75	36.87	6.91	29.96	78.12
	2	5.78	114.89	37.73	10.37	28.36	154.93
	3	5.96	114.94	28.18	5.01	23.71	44.44
	4	5.70	114.81	45.73	16.49	29.24	229.51
	Comb.	5.72	116.14	36.89	9.29	27.60	131.40
13. Rajasthan (64)	1	5.33	108.93	45.68	14.58	31.10	74.47
	2	4.18	118.41	41.12	9.56	31.56	183.10
	3	5.11	109.74	45.14	15.34	29.80	106.80
	4	5.41	111.61	52.21	22.76	29.45	102.57
	Comb.	4.80	112.95	44.91	14.23	30.68	124.41
14. Uttar Pradesh (176)	1	5.16	109.01	45.67	21.55	24.12	225.64
	2	5.00	110.96	43.79	26.09	17.70	243.52
	3	5.09	105.27	41.48	19.94	21.54	204.42
	4	5.04	106.29	46.33	17.56	28.77	189.42
	Comb.	5.07	107.89	44.29	21.35	22.94	216.19
15. West Bengal (92)	1	5.48	109.30	40.28	6.94	33.34	80.46
	2	4.99	112.09	36.56	6.45	30.11	88.24
	3	5.48	106.87	37.12	4.69	32.43	63.16
	4	5.25	102.73	43.42	9.12	34.30	130.00
	Comb.	5.31	107.43	39.41	6.76	32.65	91.43
16. All-India* (Rural) (1,412)	1	5.11	105.28	38.46	13.08	25.38	126.65
	2	5.04	106.13	38.13	12.51	25.62	133.63
	3	5.14	103.25	37.75	12.56	25.19	115.95
	4	5.02	105.02	41.41	13.87	27.54	128.83
	Comb.	5.08	104.92	38.89	12.99	25.90	126.32

* Delhi, Himachal Pradesh, Manipur & Tripura are included.

TABLE (2.4).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples; fourth sub-round, NSS 18th round (rural).

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1,000 persons			Infant mortality rates per 1,000 live-births
				birth	death	growth	
1	2	3	4	5	6	7	8
1. Andhra Pradesh.	1	4.62	108.59	30.09	8.71	21.38	78.95
	2	4.64	99.57	38.84	9.50	29.34	77.78
	3	4.54	101.31	36.73	11.02	25.71	111.11
	4	4.84	103.84	33.80	11.03	22.77	126.32
	(112)	Comb.	4.66	103.34	34.78	10.11	24.67
2. Assam	1	5.68	122.00	25.89	6.66	19.23	171.43
	2	5.83	116.32	27.80	1.59	26.21	28.57
	3	5.59	106.15	25.23	4.59	20.64	90.91
	4	5.68	111.07	24.34	7.49	16.85	153.85
	(60)	Comb.	5.70	114.42	25.91	5.04	20.87
3. Bihar	1	5.41	102.69	30.91	9.90	21.01	70.31
	2	5.66	103.40	38.72	11.15	27.57	98.48
	3	5.15	102.69	30.65	9.23	21.42	72.29
	4	5.14	102.80	30.14	8.04	22.10	50.00
	(128)	Comb.	5.33	102.89	32.49	9.55	22.94
4. Gujarat	1	5.43	110.74	31.17	11.38	19.79	79.37
	2	5.60	104.75	35.22	6.87	28.35	60.98
	3	5.04	104.21	38.77	10.01	28.76	64.52
	4	5.37	104.48	33.64	6.41	27.23	47.62
	(60)	Comb.	5.37	106.06	34.58	8.59	25.99
5. Jammu & Kashmir.	1	5.62	114.58	26.70	5.66	21.04	60.61
	2	5.83	113.93	33.28	7.96	25.32	65.22
	3	5.21	118.01	31.77	3.81	27.96	—
	4	5.39	115.77	35.34	11.24	24.10	68.18
	(60)	Comb.	5.55	115.25	31.63	7.45	24.18
6. Kerala	1	5.60	94.24	28.99	10.95	18.04	88.89
	2	5.97	94.13	36.07	11.14	24.93	88.24
	3	5.60	92.05	31.95	7.69	24.26	37.04
	4	5.89	85.85	33.41	21.08	12.33	8.20
	(60)	Comb.	5.79	90.23	32.92	14.58	18.34
7. Madhya Pradesh.	1	5.13	101.85	32.89	8.82	24.07	41.24
	2	5.61	102.54	43.01	16.93	26.08	173.23
	3	4.55	104.55	36.65	12.99	23.66	125.98
	4	4.88	101.87	47.16	15.22	31.94	157.48
	(120)	Comb.	5.00	102.79	39.64	13.43	26.21
8. Madras	1	4.37	98.92	32.47	8.66	23.81	116.67
	2	4.54	95.74	26.47	12.29	14.18	125.00
	3	4.05	94.88	28.64	13.92	14.72	97.22
	4	4.44	102.25	33.87	15.48	18.39	242.86
	(104)	Comb.	4.55	97.68	30.13	12.71	17.42

TABLE (2.4) (contd.)—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : fourth sub-round, NSS 18th round (rural)

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1,000 persons			Infant mortality rates per 1,000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9. Maharashtra	1	5.27	97.71	40.10	12.28	27.82	162.16
	2	5.24	102.67	43.90	15.36	28.54	140.40
	3	4.98	103.70	34.17	8.65	25.52	139.24
	4	5.22	101.55	39.24	9.90	29.34	130.84
	(116)	Comb.	5.18	101.18	39.37	11.51	27.86
10. Mysore	1	5.00	103.17	46.22	8.74	37.48	54.05
	2	5.43	103.75	32.52	8.59	23.93	207.55
	3	5.09	99.49	43.28	8.76	34.52	95.24
	4	5.05	95.83	40.48	7.10	33.38	52.63
	(68)	Comb.	5.14	100.61	40.73	8.36	32.37
11. Orissa	1	4.70	100.16	29.80	11.76	18.04	131.58
	2	4.83	106.99	29.37	4.41	24.96	25.00
	3	4.62	103.96	23.30	10.68	12.62	125.00
	4	4.93	99.82	43.32	12.90	30.42	148.94
	(60)	Comb.	4.77	102.78	31.21	9.73	21.48
12. Punjab	1	5.57	106.39	33.65	8.55	25.10	95.24
	2	5.75	113.79	42.08	9.82	32.26	100.00
	3	5.78	113.36	42.93	7.04	35.89	49.18
	4	6.24	108.73	38.30	9.43	28.87	138.46
	(60)	Comb.	5.82	110.20	38.87	8.70	30.17
13. Rajasthan	1	5.05	114.81	42.32	15.70	26.62	129.03
	2	5.59	106.28	39.55	14.68	27.89	69.77
	3	5.14	105.07	42.55	16.10	26.45	229.73
	4	5.14	110.84	45.80	13.74	32.06	100.00
	(64)	Comb.	5.19	109.00	42.56	14.16	28.40
14. Uttar Pradesh	1	5.18	104.37	40.78	18.39	22.39	161.76
	2	4.86	112.67	49.90	22.15	27.75	253.10
	3	5.13	119.89	47.93	26.92	21.01	221.67
	4	5.00	108.87	41.09	18.00	23.09	185.71
	(176)	Comb.	5.05	110.96	44.52	21.14	23.38
15. West Bengal	1	5.24	107.91	29.70	9.38	20.32	157.89
	2	5.07	111.76	35.16	5.21	29.95	74.07
	3	5.45	95.34	29.71	11.14	18.57	89.29
	4	5.49	110.03	33.06	4.78	28.28	44.44
	(92)	Comb.	5.31	106.59	32.12	7.31	24.81
16. All-India* (rural)	1	5.13	104.30	34.76	11.58	23.18	114.03
	2	5.20	105.62	38.44	11.87	26.57	133.71
	3	4.93	104.73	36.75	13.47	23.28	112.15
	4	5.15	103.48	37.28	12.35	24.94	120.12
	(1,412)	Comb.	5.10	104.50	36.80	12.31	24.49

TABLE (2.5).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples; fifth sub-round, NSS 18th round (rural).

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1,000 persons			Infant mortality rates per 1,000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Andhra Pradesh .	1	4.64	104.49	34.12	8.24	25.88	57.47
	2	4.66	105.92	29.17	9.44	19.73	73.53
	3	4.70	101.86	30.02	5.33	24.69	145.16
	4	4.68	99.78	40.07	9.84	30.23	145.45
	(112)	Comb.	4.67	102.92	33.92	8.33	25.39
2. Assam	1	5.56	110.75	16.19	4.86	11.33	100.00
	2	5.56	103.47	27.30	9.10	18.20	41.67
	3	5.97	108.33	20.00	2.50	17.50	125.00
	4	5.48	115.92	23.79	3.17	20.62	33.33
	(60)	Comb.	5.63	110.11	21.35	4.65	16.70
3. Bihar	1	5.21	106.15	36.83	9.32	27.51	88.61
	2	5.42	95.98	34.73	10.74	23.99	107.91
	3	5.45	99.08	32.02	8.35	23.67	72.46
	4	5.56	100.58	36.28	9.66	26.62	79.14
	(128)	Comb.	5.40	100.47	34.90	9.47	25.43
4. Gujarat	1	5.33	107.11	36.33	9.91	26.42	54.55
	2	5.16	107.16	23.51	6.92	16.59	117.65
	3	5.58	106.61	40.38	6.82	33.56	51.95
	4	5.40	107.94	27.35	4.56	22.79	41.67
	(60)	Comb.	5.38	107.18	32.54	6.99	25.55
5. Jammu & Kashmir	1	5.83	109.98	23.03	5.20	17.83	32.26
	2	5.55	118.75	31.97	6.12	25.85	21.28
	3	5.20	124.08	32.71	5.45	27.26	23.81
	4	5.46	105.51	29.82	8.35	21.47	60.00
	(60)	Comb.	5.50	113.89	29.37	6.37	23.00
6. Kerala	1	4.57	96.30	32.04	9.42	22.62	58.82
	2	5.55	101.38	30.96	5.63	25.33	38.96
	3	5.25	94.95	31.95	10.25	21.70	56.60
	4	5.38	101.84	30.87	13.36	17.61	98.04
	(60)	Comb.	5.21	98.90	31.42	9.21	22.21
7. Madhya Pradesh.	1	4.67	98.66	37.44	16.33	21.11	117.02
	2	5.14	105.77	39.76	14.03	25.73	211.76
	3	4.79	99.24	37.21	11.85	25.37	45.45
	4	4.79	104.09	44.44	18.88	25.56	105.44
	(120)	Comb.	4.83	101.70	39.67	15.30	24.37
8. Madras	1	4.38	100.78	25.68	8.56	17.12	106.06
	2	4.53	95.80	28.57	8.21	20.36	25.00
	3	4.65	106.96	35.01	8.87	26.14	66.67
	4	4.63	103.52	27.41	7.59	19.82	30.77
	(104)	Comb.	4.54	101.33	28.99	8.30	20.60

TABLE (2.5) (contd).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : fifth sub-round, NSS 18th round (rural)

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1,000 persons			Infant mortality rates per 1,000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9. Maharashtra	1	5.28	97.60	36.09	8.92	27.17	67.42
	2	5.11	99.16	32.89	10.85	22.04	159.57
	3	5.14	100.78	25.87	7.34	18.53	89.55
	4	5.42	100.22	39.70	10.83	28.87	90.91
	(116)	Comb.	5.24	99.44	33.71	9.54	24.17
10. Mysore	1	4.69	110.79	23.48	6.62	16.86	51.28
	2	5.36	95.30	38.70	10.98	27.72	54.05
	3	5.36	114.91	32.46	7.00	25.46	117.65
	4	5.53	106.34	34.22	11.17	23.05	81.63
	(68)	Comb.	5.20	106.09	32.25	8.94	23.31
11. Orissa	1	4.81	102.99	35.95	8.25	27.70	81.97
	2	4.25	87.73	39.46	7.40	32.06	62.50
	3	4.76	106.27	35.17	10.46	24.71	135.14
	4	5.31	95.33	32.35	7.03	25.32	43.48
	(60)	Comb.	4.85	99.51	35.81	8.46	27.35
12. Punjab	1	5.84	124.26	23.89	5.31	18.58	83.33
	2	5.29	99.19	30.94	5.84	25.10	94.34
	3	5.61	107.72	41.23	6.39	34.84	98.59
	4	5.66	123.34	27.12	9.26	17.86	121.95
	(60)	Comb.	5.58	112.44	31.14	6.66	24.48
13. Rajasthan	1	5.52	111.39	44.90	11.81	33.09	189.47
	2	5.33	106.67	42.13	19.09	23.04	156.25
	3	5.62	98.47	43.91	14.64	29.27	105.26
	4	4.45	118.78	34.06	14.99	19.07	220.00
	(64)	Comb.	5.22	108.80	41.62	14.84	26.78
14. Uttar Pradesh	1	4.97	105.39	49.44	18.98	30.46	200.89
	2	5.15	110.72	49.94	23.04	26.90	217.71
	3	4.94	107.33	44.98	18.63	26.35	176.19
	4	5.39	105.90	49.89	21.50	28.39	281.77
	(176)	Comb.	5.09	107.49	48.49	20.52	27.97
15. West Bengal	1	5.21	111.51	26.30	2.45	23.85	..
	2	5.09	99.25	30.22	3.21	26.98	17.86
	3	4.98	112.49	31.56	7.07	24.49	103.45
	4	5.16	105.97	31.32	4.64	26.68	55.56
	(92)	Comb.	5.10	107.16	29.91	4.41	25.50
16. All-India* (Rural)	1	4.98	105.22	35.78	10.63	25.15	115.28
	2	5.10	102.04	36.60	12.19	24.41	128.77
	3	5.11	104.50	35.59	10.34	25.25	108.99
	4	5.20	104.99	36.68	11.65	25.03	135.07
	(1,412)	Comb.	5.09	104.17	36.15	11.19	24.96

TABLE (2.6).—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : sixth sub-round NSS 18th round (rural).

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1,000 persons			Infant mortality rates per 1,000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Andhra Pradesh .	1	4.53	104.00	68.63	29.41	39.22	95.24
	2	4.71	102.86	26.96	12.07	14.89	74.63
	3	4.62	99.85	36.93	11.30	25.63	142.86
	4	4.59	102.31	35.12	7.02	28.10	25.00
	(112)	Comb.	4.61	102.09	41.65	14.84	26.81
2. Assam	1	5.52	111.35	15.45	3.68	11.77	190.48
	2	5.40	110.60	17.82	3.87	13.95	—
	3	5.56	131.09	21.07	1.62	19.45	76.92
	4	5.35	108.42	27.27	5.05	22.22	—
	(60)	Comb.	5.46	113.60	19.69	3.68	16.01
3. Bihar	1	5.16	102.21	38.68	7.68	31.00	83.97
	2	5.25	95.03	30.88	12.18	18.70	119.27
	3	5.17	105.79	33.31	8.88	24.43	77.78
	4	5.37	96.53	35.01	7.43	27.58	90.91
	(128)	Comb.	5.23	99.67	34.49	9.14	25.35
4. Gujarat	1	5.39	102.63	33.43	10.98	22.45	164.18
	2	5.61	105.47	30.52	12.76	17.76	200.00
	3	5.25	107.43	33.73	7.73	26.00	83.33
	4	5.45	106.79	28.72	6.67	22.05	17.86
	(60)	Comb.	5.15	105.47	31.53	9.56	21.97
Jammu & Kashmir	1	5.36	118.07	35.42	8.86	26.56	142.86
	2	5.42	118.66	34.72	8.93	25.79	71.43
	3	5.46	122.10	28.11	6.18	21.93	60.00
	4	5.65	112.34	32.53	8.00	24.53	32.79
	(60)	Comb.	5.47	117.68	32.69	8.00	24.69
6. Kerala	1	5.77	91.23	23.23	6.55	16.68	76.92
	2	5.62	105.45	28.88	11.36	17.52	196.72
	3	5.41	100.22	33.87	7.53	26.34	63.49
	4	5.54	95.99	27.69	6.59	21.10	47.62
	(60)	Comb.	5.57	98.64	28.70	8.22	20.48
7. Madhya Pradesh	1	5.02	102.56	39.42	11.86	27.56	97.09
	2	5.00	107.00	42.05	13.91	28.14	112.78
	3	5.17	102.41	35.01	14.44	20.57	123.71
	4	4.95	102.50	42.97	13.49	29.48	82.64
	(120)	Comb.	5.03	103.70	39.86	13.44	26.42
8. Madras	1	4.15	96.86	29.29	10.65	18.64	72.73
	2	4.34	97.53	30.76	11.47	19.29	203.39
	3	4.40	106.84	28.01	3.92	24.09	80.00
	4	4.40	99.80	33.43	8.11	25.32	60.61
	(104)	Comb.	4.32	100.35	30.34	8.41	21.93

TABLE (2.6) (contd.)—Average household size, sex ratio, annual rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : sixth sub-round, NSS 18th round (rural)

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1000 persons			Infant mortality rates per 1,000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9. Maharashtra	1	5.08	95.65	39.02	7.05	31.97	55.56
	2	5.44	100.52	42.50	13.88	28.62	91.84
	3	5.08	102.85	39.81	9.65	30.16	60.61
	4	5.31	99.12	41.45	11.67	29.78	77.67
	(116)	Comb.	5.23	99.73	40.76	10.72	30.04
10. Mysore	1	5.61	92.01	28.97	8.92	20.05	128.21
	2	5.46	101.95	36.87	6.24	30.63	92.31
	3	5.50	101.42	43.72	9.37	34.35	71.43
	4	5.35	117.30	26.82	4.19	22.63	125.00
	(68)	Comb.	5.48	102.36	34.39	7.16	27.23
11. Orissa	1	4.36	94.12	20.20	8.08	12.12	250.00
	2	4.60	96.31	37.63	13.24	24.39	148.15
	3	4.92	103.26	19.61	5.35	14.26	90.91
	4	4.84	99.35	31.69	8.74	22.95	103.45
	(60)	Comb.	4.67	98.26	27.59	9.03	18.56
12. Punjab	1	5.62	117.48	30.80	7.51	23.29	73.17
	2	5.66	108.03	24.85	6.87	17.98	85.11
	3	5.79	109.75	41.94	10.85	31.09	137.93
	4	5.72	112.59	35.55	5.33	30.22	66.67
	(64)	Comb.	5.69	111.68	32.81	7.22	25.29
13. Rajasthan	1	5.30	110.49	46.10	10.41	35.69	112.90
	2	4.91	110.58	49.61	19.33	30.28	155.84
	3	5.39	102.31	43.04	10.09	32.95	125.00
	4	4.56	102.67	41.61	11.89	29.72	71.43
	(64)	Comb.	4.96	105.79	44.62	12.82	31.80
14. Uttar Pradesh	1	5.07	103.17	46.98	21.46	25.52	149.04
	2	5.01	106.73	40.25	18.56	21.69	149.70
	3	5.16	108.63	46.08	24.96	21.12	199.81
	4	4.91	111.71	44.63	23.32	21.31	239.58
	(176)	Comb.	5.04	107.49	44.59	21.91	22.68
15. West Bengal	1	5.20	114.87	25.53	4.42	21.11	115.38
	2	5.46	105.67	32.73	6.08	26.65	42.86
	3	5.43	117.31	23.43	1.04	22.39	66.67
	4	5.43	99.36	29.65	3.21	26.44	40.54
	(92)	Comb.	5.38	108.37	28.05	3.72	24.33
16. All-India* (rural)	1	5.04	102.83	37.96	12.40	25.66	112.80
	2	5.12	103.39	34.88	12.40	24.48	123.74
	3	5.06	105.89	36.00	11.48	24.52	118.35
	4	5.06	103.83	36.49	10.57	25.92	102.78
	(1,412)	Comb.	5.07	103.98	36.31	11.72	24.59

*Delhi, Himachal Pradesh, Manipur & Tripura are included.

TABLE (2·7).—Average household size, sex ratio, rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : first to sixth sub-round combined, NSS 18th round (rural).

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1000 persons			Infant mortality rates per 1000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. Andhra Pradesh	1	4·63	103·65	40·06	12·98	27·08	98·06
	2	4·70	103·09	33·09	11·01	22·08	94·14
	3	4·61	100·57	36·44	10·14	26·30	125·65
	4	4·68	102·94	36·60	10·40	26·20	106·57
	(672)	Comb.	4·66	102·58	36·60	11·13	25·47
2. Assam	1	5·32	116·76	22·69	6·23	16·46	121·87
	2	5·48	110·40	24·64	5·30	19·34	59·13
	3	5·76	111·45	23·73	4·13	19·60	105·53
	4	5·71	114·07	22·10	4·16	17·94	51·95
	(360)	Comb.	5·55	113·25	23·29	5·02	18·27
3. Bihar	1	5·28	104·27	34·99	9·93	25·06	104·18
	2	5·52	99·55	34·20	10·71	23·49	104·79
	3	5·31	101·60	33·27	10·44	22·83	94·86
	4	5·29	102·72	33·16	9·36	23·80	78·84
	(768)	Comb.	5·35	102·06	33·93	10·11	23·82
4. Gujarat	1	5·34	106·08	35·38	9·60	25·78	90·05
	2	5·75	106·69	32·60	8·71	23·89	107·49
	3	5·15	105·58	38·55	10·11	28·44	74·52
	4	5·44	105·98	33·39	6·78	26·61	43·48
	(360)	Comb.	5·36	106·07	35·01	8·80	26·21
5. Jammu & Kashmir	1	5·62	115·43	31·38	7·38	24·00	63·97
	2	5·73	115·39	37·66	9·17	28·49	58·65
	3	5·45	113·50	33·06	8·69	24·37	105·14
	4	5·58	109·96	35·22	9·58	25·64	75·00
	(360)	Comb.	5·59	113·55	34·34	8·70	25·64
6. Kerala	1	5·41	95·06	33·02	8·77	24·25	86·57
	2	5·72	97·34	33·02	9·17	23·85	86·00
	3	5·48	95·92	33·62	9·13	24·49	74·36
	4	5·57	95·54	32·49	14·61	17·88	39·31
	(360)	Comb.	5·55	96·00	33·01	10·57	22·44
7. Madhya Pradesh	1	4·99	102·41	40·17	14·32	25·85	120·31
	2	5·44	104·47	44·12	14·85	29·27	163·49
	3	4·86	102·99	40·53	14·04	26·49	133·89
	4	4·85	102·35	43·74	16·49	27·25	136·64
	(720)	Comb.	5·02	103·07	42·09	14·88	27·21
8. Madras	1	4·33	99·64	32·30	9·82	22·48	95·85
	2	4·43	97·05	31·74	12·02	19·72	101·98
	3	4·25	101·69	32·22	10·17	22·05	105·08
	4	4·45	100·93	35·12	11·25	23·87	103·31
	(624)	Comb.	4·36	99·84	32·87	10·83	22·04

TABLE (2.7) (comb).—Average household size, sex ratio, rates of births, deaths and growth per 1000 persons and of infant mortality per 1000 live-births in the rural areas of different states and all-India from four interpenetrating samples : first to sixth sub-round combined, NSS 18th round (rural)

State (Number of sample villages)	Sample	Average household size	Sex ratio	Rates per 1000 persons			Infant mortality rates per 1,000 live-births
				birth	death	growth	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9. Maharashtra	1	5.13	98.90	38.72	11.19	27.53	111.74
	2	5.21	100.97	39.22	13.28	25.94	127.80
	3	5.18	101.74	38.56	11.43	27.13	102.58
	4	5.28	102.20	40.62	14.26	26.36	104.67
	(696)	Comb.	5.20	100.93	39.27	12.52	26.75
10. Mysore	1	5.24	102.03	35.03	10.15	24.88	92.43
	2	5.28	101.89	35.87	10.01	25.86	104.29
	3	5.21	103.23	39.98	11.43	28.55	143.94
	4	5.33	102.85	35.67	12.40	23.27	115.85
	(408)	Comb.	5.26	102.50	36.65	10.99	25.66
11. Orissa	1	4.72	101.27	33.17	9.65	23.52	112.47
	2	4.65	98.43	35.84	8.05	27.79	73.68
	3	4.78	103.04	31.37	10.26	21.11	120.63
	4	4.91	99.33	36.66	11.03	25.63	106.80
	(360)	Comb.	4.75	100.51	34.17	9.63	24.54
12. Punjab	1	5.56	113.30	33.90	8.27	25.63	112.87
	2	5.63	108.59	36.06	8.19	27.87	99.72
	3	5.78	110.48	38.65	7.38	31.17	81.28
	4	5.81	114.26	39.62	10.18	29.44	138.12
	(360)	Comb.	5.69	111.57	36.98	8.48	28.50
13. Rajasthan	1	5.34	109.48	45.93	14.45	31.48	136.43
	2	4.91	109.78	42.54	15.12	27.42	156.25
	3	5.25	107.91	43.89	14.64	29.25	137.02
	4	4.91	111.16	44.47	15.86	28.61	131.15
	(384)	Comb.	5.09	109.59	44.19	15.02	29.17
14. Uttar Pradesh	1	5.11	105.90	46.14	21.03	25.11	192.97
	2	5.02	110.32	45.06	20.14	24.92	212.29
	3	5.09	109.73	44.03	22.52	21.51	212.56
	4	5.08	108.45	44.30	19.02	25.28	223.43
	(1,056)	Comb.	5.07	108.57	44.91	20.70	24.21
15. West Bengal	1	5.27	109.61	31.84	6.01	25.83	97.27
	2	5.25	108.03	34.83	6.38	28.45	67.47
	3	5.33	108.70	32.32	6.41	25.91	99.72
	4	5.38	103.76	34.49	5.47	29.02	66.38
	(552)	Comb.	5.31	107.43	33.36	6.06	27.30
16. All-India* (rural)	1	5.08	104.55	37.68	12.27	25.41	125.20
	2	5.14	104.28	37.43	12.30	25.13	131.15
	3	5.07	104.70	37.33	12.52	24.81	131.47
	4	5.11	104.53	37.84	12.47	25.37	123.81
	(8,472)	Comb.	5.10	104.52	37.57	12.39	25.18

*Delhi, Himachal Pradesh, Manipur & Tripura are included.

APPENDIX II

Sample Design

A.2.0 The whole of India with the exception of the following regions—Andaman and Nicobar Islands, Laccadive, Minicoy and Amindivi Islands, Ladakh district of Jammu & Kashmir, NEFA, Mao, Ukhrul and Temenlong sub-divisions of Manipur, Lungleh sub-division of Mizo (Lushai) hills, Pondicherry and Goa, Daman and Diu—was covered in the eighteenth round of the National Sample Survey.

A.2.1 *Rural sample design.*—The sample design for the population survey was generally stratified two-stage with villages as the first stage units and households as the second-stage units. Rural India was divided into 353 strata (composed of contiguous tehsils or groups of tehsils)—strata within a state or Union Territory were formed in such a manner that the sum of the 'sizes' of the villages within a stratum was the same for all strata within the state or union territory. 'Size' of a village was taken as its 1951-61 census population (depending on the frame used in that state) rounded off to the next higher multiple of 1000. The period of survey of 12 months was divided into six sub-rounds each of two months duration. A total of 8,472 sample villages were to be covered in the eighteenth round with 1,412 sample villages in each sub-round. In each stratum villages were selected in the form of four independent interpenetrating sub-samples, one investigator covering sub-samples 1 & 3 and the other sub-samples 2 & 4 of six villages each, that is, each covering two villages in each sub-round. The allocation of total samples of 8472 villages to the various states was made on the basis of various factors including the total population and the allocation were rounded off to 24 or multiples of 24 to facilitate having four sub-samples of 6 villages each per stratum. In each stratum the sample villages were selected circular systematically with probability proportional to size, with a random start after arranging the tehsils in a serpentine order (as explained in NSS Report Number 5). To equalise the workload between the investigators, in certain cases, hamlets (or hamlet groups) of approximately equal population were to be selected with equal probability.

Sampling of households within villages.—A combined sample of households was selected linear systematically using the sampling interval and random start as given in the sample list for the population and other enquiries in order to make the design self-weighting for those enquiries at the state level. Before selection, the households were arranged by major source of income and households size in the order in which they had been listed. Out of 27 households selected on an average within a sample village for the combined sample, 20 households were surveyed for the enquiry on population, births and deaths. No sampling was done in respect of floating population and extinct households (by death of all household members) as these were completely enumerated, if found in the sample villages.

A.2.2 *Urban sample design.*—For the urban areas of India the sampling design was generally stratified two-stage with urban blocks and households forming 1st-stage and second-stage units respectively. The urban areas of each State and Union Territory excepting Maharashtra was divided into two sectors—sector 1 consisting of the State or Union Territory capital and all towns and cities with 1951 census population 50,000 and above and sector 2 of the remaining urban areas. Maharashtra had three sectors : sector 'O' consisting of Bombay city, sector 1 of state capital and all towns and cities with 1951 census population 50,000 and above excluding Bombay city and sector 2 of the remaining urban areas. Each sector within a State or Union Territory formed a stratum. Thus, the urban areas of India were divided into 37 strata. A total of 4572 blocks were surveyed in the urban areas of India, almost equal number of blocks being covered in each of the six sub-rounds. The allocation of 4572 blocks to the states was made in proportion to their urban population with twice the weightage to sector 1 and then allocation were modified to ensure a minimum of 144 sample blocks in each state; to sectors within a state the allocation was made in proportion to the number of blocks in them with twice the weightage to sector 1. In sector 1 blocks were selected circular systematically with probability proportional to 'size', the size being the block population rounded off to next multiple of 1000; in sector 2 the blocks were selected circular systematically with equal probability after arranging the towns according to their means of livelihood pattern. In both the sector 1 and sector 2, blocks were selected in the form of four independent interpenetrating sub-samples, one party of investigators covering sub-samples 1 & 3 and the other sub-samples 2 & 4. To equalise the work load between the investigators in certain cases, the sample block was divided into the specified number of sub-blocks of roughly population content and selected one of them with equal probability.

Sampling of households within blocks.—A combined sample of households was selected linear systematically using the sampling interval and random start as provided in the sample list for the population and other enquiries in order to make the design self-weighting in each state and sector in respect of those enquiries. Before selection, the households were arranged by major source of income and households size in the order in which they had been listed. Out of 27 households selected on an average within a sample block for the combined sample, 20 households were surveyed for the enquiry on population, births and deaths. No sampling was done in respect of floating population and extinct households consequent on the death of all the household members as these were completely enumerated, if found in the sample blocks.

A.2.3 Estimation of total aggregate for rural areas

(i) *normal households.*—Let Y_{hijk} be the aggregate of Y -characteristic of selected households in the j^{th} sample village ($j=1,2,3 \text{ \& } 4$) of the i^{th} stratum in the h -th state/Union Territory in the k^{th} sub-round ($k=1,2,\dots,6$); and m_h the multiplier for the h -th State/Union Territory. Then the simple unbiased estimates of the aggregate of Y in the h -th State/Union Territory and for all-India rural for sample j are given below in a tabular form for any sub-round k and also for all sub-rounds combined :

Sub-round	State/Union Territory (rural)	All-India (rural)
(1)	(2)	(3)
$K=1, 2, \dots, 6$	$y_{hxjk} = 6m_h \sum y_{hijk}$	$y_{xxjk} = \sum y_{hxjk}$
all	$y_{hxix} = m_h \sum_i \sum_k y_{hijk}$	$y_{xxix} = \sum_h y_{hxix}$ $y_{yxxix} = \sum_h$

(ii) Locating and extinct households.—Let Y'_{hijk} be the aggregate of Y' characteristics in the j th sample village¹ ($j=1,2,3$ & 4) of the i th stratum in the h -th State/Union Territory in the k th sub-round ($k=1,2,\dots,6$), Z_{hijk} the village size, f_{hijk} the adjustment factor for revenue village selection and I_h the sampling interval for the h -th state. Then the simple unbiased estimate of the aggregate of Y' in the h -th State/Union Territory and for all-India rural for sample j are given below for sub-round k ($=1,2,\dots,6$) and also for all sub-rounds combined.

Sub-round	State/Union Territory (rural)	All-India (rural)
(1)	(2)	(3)
$K=1,2, \dots 6$	$y'_{hxjk} = I_h \sum \frac{y'_{hijk}}{Z_{hijk}} f_{hijk}$	$y'_{xxjk} = \sum_h y'_{hxjk}$
all	$y'_{hxjx} = I_h \sum_i \sum_k \frac{y'_{hijk}}{Z_{hijk}} f_{hijk}$	$y'_{xxjx} = \sum_h y'_{hxjx}$

To obtain the estimates of total aggregates at the state or all-India level, the corresponding estimates under (i) and (ii) were to be pooled together.

2.4 Estimates of ratios.—The ratio of two simple unbiased estimates of total aggregates x and y are given for the h -th State/Union Territory and for all-India are shown below for any sub-round k ($1,2,\dots,6$) and also for all sub-rounds combined for sample j .

Sub-round	State/Union Territory (rural)	All-India (rural)
(1)	(2)	(3)
$K=1,2, \dots 6$	$r_{hxjk} = \frac{y_{hxjk} + y'_{hxjk}}{x_{hxjk} + x'_{hxjk}}$	$r_{xxjk} = \frac{y_{xxjk} + y'_{xxjk}}{x_{xxjk} + x'_{xxjk}}$
all	$r_{hxjx} = \frac{y_{hxjx} + y'_{hxjx}}{x_{hxjx} + x'_{hxjx}}$	$r_{xxjx} = \frac{y_{xxjx} + y'_{xxjx}}{x_{xxjx} + x'_{xxjx}}$

A.2.4 Estimation of total aggregates and ratios for urban areas.—A similar procedure was followed for the urban areas—in place of sample village one should read sample block.

¹ In village where one hamlet (or hamlet group) is selected at random out of D_{hijk} hamlets (or hamlet groups) and Y' refer to hamlet (or hamlet group) aggregates of Y' , then the estimated village aggregates will be given by $Y'_{hijk} \times D'_{hijk}$.

CODE LIST

Schedule 12 : Population, Birth & Deaths

BLOCK [5]&[5A]: HOUSEHOLD CHARACTERISTICS

1. Household religion (col. 17) :

Hinduism	1
Islam	2
Christianity	3
Sikhism	4
Jainism	5
Buddhism	6
Zoroastrianism	7
Jewish	8
others	9

2. Scheduled caste/tribe (col. 18) :

scheduled caste ..	1
scheduled tribe	2
other backward tribes	3
others	4

BLOCK [6] : DEMOGRAPHIC PARTICULARS;

BLOCK [9] : FERTILITY

3. Marital status (col. 7 of bl. [6],
col. 2 of bl. [9]);

never married	1
married	2
widowed	3
divorced	4
separated	5

4. Educational standard (col. 8 of bl. [6],
col. 3 of bl. [9])

illiterate	1
literate but below primary	2
primary	3
middle	4
secondary	5
graduate & above—	
in agriculture	6
in engineering	7
in technology	8
in medicine	9
in other subjects ..	0

BLOCK [7] : BIRTH; BLOCK [8] : DEATHS

5. Time of birth/death } (col. 12 of bl. [7];

how determined } col. 8 of bl. [8]):

definite statement of age :	
exact date	1
exact week but not date	2
exact month but neither date nor week ..	3
relating with :	
local and religious festivals ..	4
agricultural season	5
others whose ages are known	6
registration certificate	7
other evidence (specify)	8
memory (guess; no evidence)	9

6. Place of birth/death (col. 13 of bl. [7];
col. 10 of bl. [8]):

(a) Within the village/town :

(i) domiciliary :

own premises ..	1
child's mother's father's premises	2
other premises ..	3

(ii) institutional :

hospitals, maternity homes and other medical institution	4
---	---

(iii) others (specify)

5

(b) Outside the village/town :

(i) domiciliary :

own premises ..	6
child's mother's father's premises	7
other premises ..	8

(ii) institutional

hospitals, maternity homes and other medical institutions	9
--	---

(iii) others (specify),

0

7. Attendance type (col. 14 of bl. [7],
col. 11 of bl. [8]):

untrained dai	1
trained dai, midwife	2
qualified nurse	3
physician	4
relatives & others	5
no attendance	6

8. The relation of the child/deceased to the informant
(col. 18 of bl. [7]; col. 12 of bl. [8]):

*father	1
*mother	2
*spouse (husband or wife)	3
son ..	4
daughter	5
other relations in the household**	6
other relations outside the household	7
others	8

*not applicable in case of births.

**grandson, grand daughter, nephew, niece etc., for the
birth or the death.

NOTE

In col. (3) of bl. [7], srl. no. of the child as in bl. [6], write the srl. no. of the child as in block [6] if it is a usual member of the household now; but 'B.D.' if the child was born dead; 'S.D.' if the child was born alive and

APPENDIX IV

List of National Sample Survey Demographic Reports and Papers prepared in the Indian Statistical Institute.

REPORTS

1. P. C. Mahalanobis : The National Sample Survey General Report Number 1 on the First Round, Government of India, 1952.
2. Ajit Das Gupta, R. K. Som, M. Majumdar and S. Mitra : "Couple Fertility", National Sample Survey Report Number 7, Government of India, 1955.
3. NSS Report Number 8, "Preliminary Survey of Urban Employment, September 1953", Government of India, 1956.
4. NSS Report Number 12, "A Technical Note on Age Grouping", Government of India, 1958.
5. NSS Report Number 14, "Some characteristics of the Economically Active Population", Government of India, 1959.
6. NSS Report Number 16, "Sample Survey on Employment and Unemployment, May-November 1955", Government of India, 1959.
7. NSS Report Number 17, "Calcutta Employment Survey, September 1953", Government of India, 1959.
8. NSS Report Number 33 "Tables with notes on Wages, Employment, Income and Indebtedness of Agricultural Labour Households in Rural Areas, eleventh and twelfth rounds, August 1956-August 1957", Government of India, 1960.
9. NSS Report Number 34, "Tables with Notes on Employment and Unemployment, Tenth Round, December 1955 May 1956", Government of India, 1960.
10. NSS Report Number 48, "Preliminary Estimates of Birth and Death Rates and of the Rate of Growth of Population, July 1958-June 1959", Government of India, 1961.
11. NSS Report Number 49, "Report on Morbidity, seventh, eleventh-thirteenth rounds, 1953-58", Government of India, 1961.
12. NSS Report Number 52, "Tables with Notes on Employment and Unemployment, eleventh and twelfth rounds, August 1956-August 1957", Government of India, 1961.
13. NSS Report Number 53, "Tables with Notes on Internal Migration, ninth-thirteenth rounds, 1955-58", Government of India, 1962.
14. NSS Report Number 54, "Vital Rates, seventh round, October 1953-March 1954", Government of India, 1962.
15. NSS Report Number 62, "Report on Employment and Unemployment, ninth round (supplementary), May-November 1955", Government of India, 1962.
16. NSS Report Number 63, "Tables with Notes on Employment and Unemployment, thirteenth round, September 1957-May 1958, Urban", Government of India, 1962.
17. NSS Report Number 76, "Fertility and Mortality Rates in India, fourteenth round, July 1958-June 1959", Government of India, 1963.
18. NSS Report Number 85, "Tables with Notes on Employment and Unemployment in Urban Areas, fourteenth round, July 1958-June 1959", Government of India, 1964.

PAPERS

1. P. C. Mahalanobis and Ajit Das Gupta : "The Use of Sample Survey in Demographic Studies in India." World Population Conference, Rome, 1954.
2. Ajit Das Gupta : "Determination of Fertility Trends and Differentials in Defective Registration Areas", International Statistical Institute Bulletin 36, 2, 71, 1957.
3. R. K. Som : "On Recall Lapse in Demographic Studies", International Population Conference, Vienna, 1959.
4. R. K. Som and G. C. Bhattacharya : "Some Findings of the Try-Out on Agricultural Labour Enquiry, 1956", P.D. NSS WP(4), Indian Statistical Institute, 1958.
5. P. C. Mahalanobis and D. B. Lahiri : "Analysis of Errors in censuses and surveys with special reference to Experience in India", International Statistical Institute Session, Tokyo, 1960.
6. R. K. Som : "Population Trends and Problems in India, in India's Population", edited by S. N. Agarwala, Asia Publishing House, Bombay, 1960.
7. R. K. Som and A. K. De : "Current Population Estimates for India", Indian Sociological Conference, Lucknow, 1960.
8. Indian Statistical Institute : "The Use of the National Sample Survey in the Estimation of the Current Birth and Death Rates in India", International Population Conference, New York, 1961.

9. M. Majumdar : "Age at Marriage and Marriage Rates in India", International Population Conference, New York, 1961.
10. A. K. De and R. K. Som : "Abridged Life Tables for Rural India, 1957-58", Milbank Memorial Fund Quarterly, April 1964, Vol. XLII, No. 2, Part 1.
11. P. C. Mahalanobis : "Some Concepts of Sample Surveys in Demographic Investigations", UN World Population Conference, Belgrade, 1965.
12. D. B. Lahiri : "Population Data and the Indian National Sample Survey", UN World Population Conference Belgrade, 1965.
13. M. Majumdar : "Estimation of Vital Rates in the Indian National Sample Survey", UN World Population Conference, Belgrade, 1965.
14. N. C. Das : "A Note on the Effect of postponement of Marriage in India", UN World Population Conference Belgrade, 1965.

NSS WORKING PAPERS

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