

THE NATIONAL SAMPLE SURVEY

FIFTEENTH ROUND : JULY 1959—JUNE 1960

NUMBER 110

TABLES WITH NOTES ON
RATES OF BIRTH, DEATH AND
GROWTH OF RURAL POPULATION



सत्यमेव जयते

Issued by

The Cabinet Secretariat : Government of India

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2. The report was prepared by Nitai Chandra Das and Ranjan Kumar Som.
3. Supervision of computing was entrusted to Shyam Sundar Bose.

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RATES OF BIRTH, DEATH, AND GROWTH OF RURAL POPULATION

This report entitled, "Rates of Birth, Death and Growth of Rural Population, Fifteenth Round, July 1959—July 1960" was prepared by the Indian Statistical Institute, Calcutta. The views contained in the report are not necessarily those of the Government of India.*

CHAPTER ONE

INTRODUCTION

1.1. At the request of Professor P. C. Mahalanobis, Honorary Statistical Adviser to the Cabinet, the Working Group on Vital and Health Statistics on the Planning Commission in its first meeting held on 13th and 14th March 1958, examined the question of obtaining reliable estimates of birth and death rates and of the rate of natural increase and recommended to the National Sample Survey (NSS) to give high priority to the use of NSS for obtaining these estimates. A sub-committee¹ was formed to explore the possibilities to utilise the NSS for obtaining national estimates of vital rates, etc., at whose request some exploratory work relating to the estimation of the rate of increase of population and of birth and death rates in the rural areas as a first priority was incorporated in the 14th round (July 1958–July 1959) by NSS Programme Committee. The results have been presented in the NSS Report No. 48, "Preliminary Estimates of Birth and Death Rates and of the Rate of Growth of Population, NSS fourteenth round" and in NSS Report No. 76, "Fertility and Mortality Rates in Rural India, NSS fourteenth round"².

* The Draft Report (Number D.110) was submitted to the Government of India in December 1962 and the revised report in September 1964.

¹ The members of the sub-committee were: T. Lakshminarayana (Planning Commission); S. K. Bose (Central Statistical Organisation); C. Chandrasekaran (Ministry of Health; at present Director, Demographic Training & Research Centre, Bombay); S. P. Jain (Ministry of Labour; at present Deputy Registrar-General, India); E. D. Burdick (US-TCM Expert; Ministry of Health; since deceased); D. Natarajan (Ministry of Home Affairs); D. Y. Lele (National Sample Survey, Field); D. B. Lahiri and R. K. Som (Indian Statistical Institute).

² The list of NSS Demographic reports and papers prepared in the Indian Statistical Institute is given in Appendix III.

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1.2. In the fifteenth round of NSS (July 1959–July 1960) the same villages surveyed in the fourteenth round of NSS were resurveyed. In the fifteenth round unlike the fourteenth the detailed schedule (in which there was a block for enumerating the usual members and for recording their individual demographic particulars) was canvassed in all the sample villages for the enumeration of population, births and deaths. The same definition of household as in the fourteenth round was followed in this round.

1.3. In this Report, preliminary estimates of the rates of birth, death, and growth obtained from the NSS 15th round have been provided at the all-India (rural) and the rural zone levels along with the general fertility rate, the infant death proportion, and sex-age distribution of population. The rates of birth, death and growth relating to the first sub-round of the NSS 15th round were presented in Appendix II of NSS Report No. 76.

1.4. *Items of information*: For each household in the sample village, information on household industry-occupation, religion, total household expenditure for last month, and duration of stay in the village was collected. Information on relation to head, sex, age last birth day, marital status, period of absence last year, membership change for all normal members and total number of children born and age at first birth for all ever-married female members was also recorded. Information on births included: mother's age at first birth and reported birth, order of birth, interval since previous birth, sex of the child, whether born dead, age on the date of survey if alive on the date of survey, age at death if born alive but since dead, time of birth (week, calendar month, calendar year) how the time of birth was determined, type of attendance, place of birth and informant's relation to child; and that on death—relation of deceased to head, sex, age of deceased, time of death (week, calendar month, calendar year), how the time of death was determined, type of attendance, place of death, last industry-occupation and informant's relation to deceased.

1.5. *Organisation*: The Field Directorate of the National Sample Survey under the control of the Cabinet Secretariat of the Government of India collected the information (excepting for West Bengal which is directly covered by the staff of the Indian Statistical Institute); while the Institute is responsible for the sample design, the field schedules and instructions, the processing and tabulation of the data of the central sample are also done by the Institute.

1.6. *Participation of states*: The participation of the States with the (central) National Sample Survey, taking an independent sample, but following the same sample design, concepts and definitions as those of the central sample, and thus providing an interpenetrating 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) started from the ninth round of the NSS (May–November 1955).

Rates of Birth, Death and Growth of Rural Population

1.7. *Sample design* : The sample design has been discussed in detail in chapter four. Broadly speaking, a uni-stage stratified sampling design with two interpenetrating sub-samples was adopted for the collection of data on population, births and deaths in the NSS 14th round. The same set of sample villages was surveyed in the same order in the NSS 15th round. The round which covered a period of one year was divided into 6 sub-rounds of two months each.

1.8. *Distribution of sample villages* : The total number of sample villages surveyed and of sample households and persons enumerated in the NSS 14th and 15th rounds (for the Central Sample) are given in Table (1.1). 37 sample villages out of 2616 sample villages could not be surveyed due to various reasons. At the tabulation stage these 37 casualty villages were substituted by surveyed villages for the operational convenience. In substituting the casualty villages, 1951 census population and proximity were taken into consideration. The purity of the sub-sample and sub-round of the casualty village was also maintained.

TABLE (1.1) : TOTAL NUMBER OF SAMPLE VILLAGES SURVEYED AND NUMBER OF HOUSEHOLDS AND PERSONS ENUMERATED IN THE RURAL ZONES: SIX SUB-ROUNDS COMBINED, NSS 14TH (JULY 1958-JULY 1959) AND 15TH (JULY 1959-JULY 1960) ROUNDS, RURAL

zone	sample	14th round			15th round		
		villages	households	persons	villages	households	persons
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. north	1	250	18947	105995	265	19932	113540
	2	253	18341	104365	265	19126	108180
	combined	503	37288	210360	530	39058	221720
2. central	1	270	21771	111523	274	22308	112716
	2	273	22152	112023	278	22625	114688
	combined	543	43923	223546	552	44933	227404
3. east	1	300	23009	122298	303	23786	127254
	2	296	24870	133811	301	26388	138922
	combined	596	47879	256109	604	50174	266176
4. south	1	234	30267	142054	233	30643	142838
	2	233	30582	141852	232	31041	143260
	combined	467	60849	283906	465	61684	286098
5. west	1	215	21851	113691	215	22083	117026
	2	214	22544	116232	213	22440	117891
	combined	429	44395	229923	428	44523	234917
6. all India (rural)	1	1269	115845	595561	1290	118752	613374
	2	1269	118499	608283	1289	121620	622841
	combined	2538	234344	1203844	2579	240372	1236315

1.9. *Presentation of Results* : The results given relate to the central sample only. The text includes discussion of results at the all-India rural and the zone levels (with the two interpenetrating sub-sample estimates). The states constituting

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the zones are as follows: (1) North zone—Rajasthan, Punjab, Delhi, Himachal Pradesh and Jammu & Kashmir; (2) Central zone—Uttar Pradesh and Madhya Pradesh; (3) East zone—Bihar, Orissa, West Bengal and Assam; (4) South zone—Andhra Pradesh, Madras and Kerala; (5) West zone—Bombay, Mysore and Gujarat. The results for the states for the different sub-rounds have been presented in the detailed tables in the appendix (also with two interpenetrating sub-sample estimates).

1.10. *Reliability and adequacy of data*: The analysis of NSS data has been done by interpenetrating sub-sample as usual, each sub-sample furnishing an independent and equally valid estimates of the variate under analysis. By this technique, the margin of uncertainty for each of the principal varieties as also of the derived functions are directly obtained. Even where the relative divergence between the sub-samples is high, the result may, however, be adequate for framing policy decisions. The adequacy of an estimate, obtained from a sample survey should relate to the purpose for which the estimate would be used and not merely on basis of the sampling error. The permissible error could, on the other hand, be defined by the limits of the estimates for which the same policy decision holds.

CHAPTER TWO

CONCEPTS AND DEFINITIONS

HOUSEHOLD

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 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 should not have formed a separate household or joined, as a usual member, another household. Thus a student residing in a hostel who has normal place of residence somewhere else is excluded from the hostel and included in the place of residence, but orphans, residing in a hostel and without any other places of residence, are included in the hostel. Casual patients at hospital are included in their normal households, but not the permanent patients. The count of population was on a de facto basis only for the floating population (i.e., population without any normal residence) who were looked for and counted in the place (within the sample villages) where they were found at the time of investigation.

2.2. *Single member and extinct households*: Instruction was given specially to seek for and count single member households, if alive. 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 extant 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. Information on such households and the single member alive households was sought from the neighbours and responsible persons in the village; enquiry was also made in every tenth household surveyed. In this setting, the chance of omission of the such extinct and single member households is likely to be small.

BIRTH AND DEATH RATES

2.3. The number of births and deaths in the household were recorded with the week and month of event for the two years preceeding the date of survey. The events that occurred during 365 days preceding the date of survey were taken into account in calculating the annual vital rates and those occurred during the period of 366-730 days preceding the date of survey for year-before-last-year rates. The

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survey period was, as it has been mentioned, July 1959–July 1960; the reference period (or recall) period, the 365 days preceding the date of survey, was thus a moving one and covered the period July 1958–July 1960 while the period of 366–730 days preceding the date of survey covered the period July 1957–July 1958. Thus the results presented do not refer to a fixed time period but refer to the overlapping time period, of the length of one year, spread over the survey period. This method is aimed at minimising omissions in reporting arising from recall lapse. In the calculation of birth and death rates, the current population (either total or sex-age specific) has been taken as the base. The recall lapse in the data for the reference period “year before last” has been discussed in Appendix II.

GENERAL FERTILITY RATE

2.4. The general fertility rate was calculated by dividing the total number of births last year to the married females enumerated and to the dead married females who would have been considered as normal member of the sample households on the day of death by the total number of females aged 15–44 years as enumerated on the date of survey.

INFANT DEATH PROPORTION

2.5. The infant death proportion gives the number of infants born last year dying before completing first year of its life per 1000 live births. On an average, the infants had, therefore, six months exposure of life.

2.6. The infant mortality are conventionally measured by the infant mortality rate which relates the number of children dying in the reference year before completing one year of life to the total number of children enumerated under age 1 year. The average exposure for the children in the case of infant mortality is one year.

2.7. The infant death proportion, conventional infant mortality rate and age-specific death rate at age ‘0’ may be related to each other by the following relation.

$$q_0 = m_0(1-i)$$

where $q_0 = \text{conventional infant mortality rate} = \frac{D_0}{B_0}$

$$m_0 = \text{age-specific death rate at age '0'} = \frac{D_0}{B_0 - D_0^0}$$

$$i = \text{infant death proportion} = \frac{D_0^0}{B_0}$$

$$B_0 = \text{total number of birth in the reference year.}$$

$$D_0 = \text{total number of death at age '0' in the reference year.}$$

$$D_0^0 = \text{total number of infants born and dying in the reference year,}$$

CHAPTER THREE

DISCUSSION OF RESULTS

3.1. The annual birth rate for rural India, in the NSS 15th round came out to be 38.93/1000 (with sub-sample estimates 39.58 and 38.28). The corresponding estimates from the fourteenth round was 38.26/1000 (with sub-sample estimates 38.50 and 38.02). The annual death rate for rural India in 15th round came out to be 15.08/1000 (with sub-sample estimates 14.87 and 15.29) as against 19.42/1000 (with sub-sample estimates 19.47 and 19.44) from 14th round. The change in the estimates in two consecutive rounds can be estimated with a lower sampling error by the repetition of the sample villages. The behaviour of the non-sampling biases in such sampling scheme is not, however, known. Subject to these limitations of the survey date, it would appear that, while the birth rate has remained stationary, the death rate has registered a further decline, leading to an increase in the rate of growth of population from 1.92 per cent in the NSS 14th round to 2.38 per cent in the NSS 15th round. Annual rates of birth, death and growth in the five rural zones for NSS 14th and 15th rounds are shown in Table (3.1).

TABLE (3.1): ANNUAL RATES PER 1000 PERSONS FOR BIRTHS, DEATHS AND DIFFERENCE OF BIRTHS AND DEATHS IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES: SIX SUB-ROUNDS COMBINED, NSS 14TH AND 15TH ROUNDS, RURAL

zone	sample	14th round			15th round		
		rate/1000 persons			rate/1000 persons		
		birth	death	growth	birth	death	growth
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. north	1	41.86	15.39	26.47	40.40	11.95	28.45
	2	39.18	16.20	22.98	39.73	14.06	25.67
	combined	40.60	15.77	24.83	40.08	12.94	27.14
2. central	1	43.99	28.04	15.95	45.52	21.07	24.45
	2	44.23	27.51	16.72	39.96	18.78	21.18
	combined	44.11	27.78	16.33	42.74	19.92	22.82
3. east	1	34.58	17.20	17.38	34.87	11.11	23.76
	2	33.67	14.94	18.73	36.05	13.92	22.13
	combined	34.11	16.02	18.09	35.49	12.57	22.92
4. south	1	34.19	13.86	20.33	36.64	12.62	24.02
	2	34.40	14.08	20.32	36.69	13.67	23.02
	combined	34.30	13.97	20.33	36.67	13.15	23.52
5. west	1	38.65	18.41	20.24	40.01	15.34	25.07
	2	39.23	17.33	21.90	40.59	14.77	25.82
	combined	38.94	17.87	21.07	40.50	15.06	25.44
6. all India (rural)	1	38.50	19.47	19.03	39.58	14.87	24.71
	2	38.02	19.44	19.44	38.28	15.29	23.00
	combined	38.26	19.42	19.24	38.93	15.08	23.85

3.2. In both rounds the highest and lowest birth rates were reported from the central and east zones respectively. The highest death rate was reported

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from the central zone in both 14th and 15th rounds; the lowest death rate was however reported from the south and east zones in 14th and 15th rounds respectively.

3.3. *General fertility rate* : The general fertility rate for all-India rural was slightly higher, 186/1000 (with sub-sample estimates 182 and 190) in the 15th round, than in the 14th round 175/1000 (with sub-sample estimates 174 and 176). It may be seen from the Table (3.2) that the highest fertility rate was reported from the central zone and lowest fertility rate from the east and south zones in both rounds.

TABLE (3.2): ANNUAL GENERAL FERTILITY RATE PER 1000 FEMALES AGED 15-44 IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES: SIX SUB-ROUNDS COMBINED, NSS 14TH AND 15TH ROUNDS, RURAL

zone	14th round			15th round		
	sample 1	sample 2	combined	sample 1	sample 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. north	206	192	199	208	202	205
2. central	204	204	204	220	192	206
3. east	154	152	153	166	171	169
4. south	151	153	152	167	168	168
5. west	177	182	179	194	194	194
6. all India (rural)	176	174	175	190	182	186

3.4. *Infant death proportion* : The infant death proportion for all-India rural declined from 113/1000 (with sub-sample estimates of 110 and 115) in the 14th round to 97/1000 (with sub-sample estimates of 93 and 102) in the 15th round. It may be seen from the Table (3.3) that the highest infant deaths were reported from the central zone in both the rounds. It may also be seen that the lowest infant deaths were reported from the north and south zones in the 14th round and from the north zone only in the 15th round.

TABLE (3.3): NUMBER OF INFANT DEATHS (WITH AN EXPOSURE OF SIX MONTHS) PER 1000 LIVE BIRTHS IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES: SIX SUB-ROUNDS COMBINED, NSS 14TH AND 15TH ROUNDS, RURAL

zone	14th round			15th round		
	sample 1	sample 2	combined	sample 1	sample 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. north	93	72	83	74	82	78
2. central	152	153	153	129	126	128
3. east	109	103	106	76	100	89
4. south	82	86	84	66	95	80
5. west	103	92	97	90	83	86
6. all India (rural)	115	110	113	93	102	97

Rates of Birth, Death and Growth of Rural Population

3.5. *Population characteristics*: Table (3.4) gives the average household size, sex-ratio and percentage distribution of population by age-group and religion in the five rural zones for NSS 14th and 15th rounds. The household size in the 15th round was 5.15 as against 5.14 in the 14th round: it remained the largest (5.68) in the north zone and the smallest (4.64) in the south zone. The pattern of distribution of population by religion in the zones also remained the same in the two rounds. The males outnumbered females by 4 per cent at the all-India level, by 11 per cent in the north zone, but were themselves outnumbered by females, by 1 per cent, in the south zone. Slightly smaller proportions of persons aged 15-44 were reported in all the zones in the 15th round as compared to the 14th.

TABLE (3.4): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES: SIX SUB-ROUNDS COMBINED, NSS 14TH AND 15TH ROUNDS, RURAL

zone	sample	14th round								15th round							
		ave- rage house- hold size	sex ^a ratio	percentage of population						ave- rage house- hold size	sex ^a ratio	percentage of population					
				age-group			religion					age-group			religion		
				0-14	15-44	45-	Hindu- ism	Islam	others ^b			0-14	15-44	45-	Hindu- ism	Islam	others ^b
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1. north	1	5.60	110.08	43.01	42.40	14.59	80.56	6.49	12.95	5.62	109.23	44.04	40.26	15.65	81.38	6.46	12.16
	2	5.69	112.82	42.08	43.31	14.61	80.44	7.76	11.50	5.51	111.91	42.83	41.46	15.71	80.37	8.56	11.07
	combined	5.64	111.35	42.57	42.84	14.59	80.50	7.09	12.41	5.56	110.49	43.49	40.83	15.68	80.90	7.45	11.65
2. central	1	5.12	106.04	39.90	44.38	15.72	90.95	8.77	0.28	5.13	106.19	40.60	42.65	16.75	91.24	8.45	0.31
	2	5.05	107.42	39.98	44.46	15.56	91.24	8.36	0.40	5.09	106.86	40.41	42.80	16.79	91.63	8.03	0.34
	combined	5.09	106.91	39.94	44.42	15.64	91.09	8.57	0.34	5.11	106.52	40.50	42.72	16.78	91.44	8.24	0.32
3. east	1	5.32	101.09	41.22	44.95	13.83	82.58	15.10	2.02	5.42	101.45	42.40	41.96	15.64	82.86	13.97	3.17
	2	5.37	103.02	40.87	44.94	14.19	81.96	11.03	7.01	5.20	103.33	41.40	42.95	15.65	83.37	10.85	5.78
	combined	5.34	102.09	41.03	44.95	14.02	82.41	12.99	4.60	5.30	102.42	41.88	42.48	15.64	83.13	12.35	4.52
4. south	1	4.69	99.35	38.68	44.81	16.51	89.24	5.94	4.82	4.66	99.20	39.45	43.25	17.30	89.35	6.11	4.54
	2	6.64	98.83	39.10	44.30	16.60	84.20	5.38	10.42	4.62	98.73	39.88	43.12	17.00	83.89	5.91	10.20
	combined	4.67	99.08	38.90	44.55	16.55	86.62	5.65	7.73	4.64	98.96	39.67	43.18	17.15	86.55	6.01	7.44
5. west	1	5.20	102.29	41.93	43.83	14.24	90.52	7.49	1.99	5.25	102.34	42.60	41.78	15.62	89.87	7.47	2.66
	2	5.15	102.53	41.80	43.38	14.82	91.86	4.85	3.29	5.23	101.80	42.64	41.93	15.43	92.54	4.38	3.08
	combined	5.17	102.41	41.86	43.61	14.53	91.18	6.17	2.65	5.24	102.06	42.62	41.86	15.52	91.19	5.94	2.87
6. all India (rural)	1	5.14	103.29	40.68	44.31	15.01	87.31	9.42	3.27	5.17	103.20	41.55	42.18	16.27	87.40	9.06	3.54
	2	5.13	104.06	40.54	44.28	15.18	86.34	7.86	5.80	5.07	103.80	41.16	42.64	16.20	86.86	7.83	5.31
	combined	5.14	103.68	40.61	44.29	15.10	86.82	8.63	4.55	5.12	103.50	41.36	42.42	16.22	87.13	8.44	4.43

^a males per 100 females.

^b religions other than Hinduism and Islam.

CHAPTER FOUR

SAMPLE DESIGN AND ESTIMATING FORMULAE

4.1. In the NSS 14th round (July 1958–July 1959) the design for the population data was generally stratified uni-stage, with two interpenetrating sub-samples. Rural India was divided into 218 strata (composed of contiguous tehsils or groups of tehsils), each stratum containing approximately equal 1951 census population. The total period of survey of one year was divided into six sub-rounds each of two months duration. A total of 2616 sample villages was covered in the 14th round, with 436 sample villages in each sub-round. In each stratum, two investigators collected the information independently, each surveying a sub-sample of six villages, that is one village in each sub-round. Thus, within a stratum, investigator (party) and sub-sample had one-to-one correspondence, so that each sub-sample was physically identifiable. The allocation of the total sample of 2616 villages to the (re-organised) states was made on the basis of various factors, including the total census 1951 population; and the allocation were rounded to multiples of 12. In each stratum, the sample villages were selected systematically with a random start after arranging the tehsils in a serpentine order (as explained in NSS Report No. 5). To equalise the work-load between the investigators, in certain cases, hamlets (hamlet groups) were selected from the sample villages. The same sample villages were re-surveyed for population, births and deaths in the NSS 15th round (July 1959–July 1960).

4.2. Strata with large areas were divided into two or more investigation zones so that normally an investigator would work within an area of from 2000 to 5,000 square miles, that is from about 50 to 70 miles square; and two such zones were selected with probability proportional to the number of villages in them and with replacement. It will be seen that in such a scheme the sample villages may be considered to have been selected directly from the total sample villages in the stratum, that is, as in uni-stage stratified sampling without however, going through the intermediate stage of investigation zones.

4.3. The estimates of rates and ratios given in the tables were obtained from the simple unbiased estimates of the numerator and the denominator by applying the proper multiplying factors.

4.4. *Estimates of aggregates and ratios*: Let Y_{hijk} be the aggregate of y characteristic in the j -th sample village ($j = 1, 2$) of the i -th stratum in the h -th population zone (or state) in the k -th sub-round¹, and V_{hi} total number of villages in the hi -th stratum. Then the simple unbiased estimate of the aggregate of y in the h -th population zone (or state) and for all-India rural for sample j in the k -th

¹ In villages where one hamlet (or hamlet group) is selected at random out of the G_{hj} hamlets (or hamlet groups) and refer to hamlet (group) aggregates of Y , then Y_{hij} will be the estimated village aggregates given by, $Y_{hij} = G_{hj}Y_{hijk}$.

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sub-round and the corresponding estimates for all sub-rounds combined are given respectively by :

for the k -th sub-round :
$$Y_{h \times jk} = \sum_i V_{hi} Y_{hijk}; \quad Y_{\times \times jk} = \sum_h Y_{h \times jk}$$

for all sub-rounds combined :
$$Y_{h \times j \times} = \sum_k Y_{h \times jk} / 6; \quad Y_{\times \times j \times} = \sum_h Y_{h \times j \times}$$

The ratios of two simple unbiased estimates of aggregates Y and X are given, at the h -th population zone (or state) and all-India level respectively, for sample j by :

for the k -th sub-round $r_{h \times jk} = Y_{h \times jk} / X_{h \times jk}; \quad r_{\times \times jk} = Y_{\times \times jk} / X_{\times \times jk}$

for all sub-rounds combined $r_{h \times j \times} = Y_{h \times j \times} / X_{h \times j \times}; \quad r_{\times \times j \times} = Y_{\times \times j \times} / X_{\times \times j \times}$

where X_{hijk} , $X_{hi \times k}$ etc. are similarly defined as for the Y 's. Also similar definitions hold for the estimates of the two samples combined.

APPENDIX I

LIST AND PRESENTATION OF DETAILED TABLES

A.1.1. LIST OF DETAILED TABLES

In numbering the tables, a system of multiple codings has been followed. Of the numbers within brackets, the left-hand-most digit refers to the chapter, the middle one for a style under the chapter number (these two together referring to the corresponding table in the text), and the right-hand-most refers to the sub-round. C has been put in the right-hand-most digit if results are presented for six sub-rounds or six sub-rounds combined.

Prefixes Z and S have been put outside the bracket to denote tables for the rural zones and the states respectively.

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ENUMERATED IN THE RURAL ZONES IN THE SIX SUB-ROUNDS : NSS 15TH ROUND, RURAL

zone*	sub-sample	first sub-round (July-September 1959)			second sub-round (September-November 1959)			third sub-round (November 1959-January 1960)			fourth sub-round (January-March 1960)		
		vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. north	1	45	3088	17358	45	3038	16998	44	3197	18479	43	3324	18366
	2	45	3041	16739	43	3222	18082	45	2823	15906	44	3338	19306
	combined	90	6129	34097	88	6260	35080	89	6020	34385	87	6662	37672
2. central	1	47	3942	20006	45	3114	15940	44	4405	22175	45	4105	20180
	2	46	3860	19492	47	3547	18649	44	3320	16956	47	4183	20862
	combined	93	7802	39498	92	6661	34589	88	7725	39131	92	8288	41042
3. east	1	51	3531	19228	50	3638	19003	51	4618	24468	50	3662	19954
	2	50	4378	23503	50	4698	24590	50	3443	17788	49	5118	26002
	combined	101	7909	42731	100	8336	43593	101	8061	42256	99	8780	45956
4. south	1	39	4615	21140	39	5786	26134	39	5934	27685	39	4368	20696
	2	39	5494	24679	38	4797	22319	39	4824	22113	38	4963	23056
	combined	78	10109	45819	77	10583	48453	78	10758	49798	77	9331	43752
5. west	1	36	3553	18404	36	3910	20092	36	4705	24700	36	3864	20895
	2	36	4224	21414	36	4209	21395	36	3541	18568	35	3301	18050
	combined	72	7777	39818	72	8119	41487	72	8246	43268	71	7165	38945
6. all India (rural)	1	218	18729	96136	215	19486	98169	214	22859	117507	213	19323	100091
	2	216	20997	105827	214	20473	105035	214	17951	91331	213	20903	107276
	combined	434	39726	201963	429	39959	203202	428	40810	208838	426	40226	207367

*States constituting zones : (1) north—Rajasthan, Punjab, Delhi, Himachal Pradesh and Jammu and Kashmir; (2) central—Uttar Pradesh, Madhya Pradesh; (3) east—Bihar, Orissa, West Bengal and Assam; (4) south—Andhra Pradesh, Madras and Kerala; (5) west—Bombay, Mysore and Gujarat.

TABLE Z (1.1. C) (Contd.): TOTAL NUMBER OF SAMPLE VILLAGES SURVEYED AND NUMBER OF HOUSEHOLDS AND PERSONS ENUMERATED IN THE RURAL ZONES IN THE SIX SUB-ROUNDS: NSS 15TH ROJND, RURAL.

zone*	sub-sample	fifth sub-round (March-May 1960)			sixth sub-round (May-July 1960)			all sub-rounds combined		
		vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons
(1)	(2)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1. north	1	44	3567	20030	44	3718	22309	265	19932	113540
	2	45	3451	19237	43	3251	18910	265	19126	108180
	combined	89	7018	39267	87	6969	41219	530	39058	221720
2. central	1	47	3204	16456	46	3538	17959	274	22308	112716
	2	47	3742	18612	47	3973	20117	278	22625	114688
	combined	94	6946	35068	93	7511	38076	552	44933	227404
3. east	1	50	4398	23895	51	3939	20706	303	23786	127254
	2	51	4209	23012	51	4542	24027	301	26388	138922
	combined	101	8607	46907	102	8481	44733	604	50174	266176
4. south	1	38	5342	25192	39	4598	21991	233	30643	142838
	2	39	5211	23999	39	5752	27094	232	31041	143260
	combined	77	10553	49191	78	10350	49085	465	61684	286098
5. west	1	36	2882	15380	35	3169	17555	215	22083	117026
	2	35	4070	21753	35	3095	16711	213	22440	117891
	combined	71	6952	37133	70	6264	34266	428	44523	234917
6. all India (rural)	1	215	19393	100953	215	18962	100520	1290	118752	613374
	2	217	20683	106613	215	20613	106859	1289	121620	622841
	combined	432	40076	207566	430	39575	207379	2579	240372	1236315

*States constituting zones: (1) north—Rajasthan, Punjab, Delhi, Himachal Pradesh and Jammu and Kashmir; (2) central—Uttar Pradesh, Madhya Pradesh; (3) east—Bihar, Orissa, West Bengal and Assam; (4) south—Andhra Pradesh, Madras and Kerala; (5) west—Bombay, Mysore and Gujarat.

TABLE S(1.1.C): TOTAL NUMBER OF SAMPLE VILLAGES SURVEYED AND NUMBER OF SAMPLE HOUSEHOLDS AND PERSONS
ENUMERATED IN THE STATES IN THE SIX SUB-ROUNDS: NSS 15TH ROUND, RURAL

state	sample	first sub-round			second sub-round			third sub-round			fourth sub-round		
		vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. Andhra Pradesh	1	18	2036	9174	18	2561	11526	18	2463	11470	18	1966	9084
	2	18	2779	12761	17	2048	9364	18	2249	10430	18	2163	9762
	combined	36	4815	21935	35	4609	20890	36	4712	21900	36	4129	18846
2. Assam (excl. Manipur and Tripura)	1	7	301	1712	6	286	1516	7	314	2058	7	511	3177
	2	7	752	4079	7	404	2126	6	365	1699	6	495	2922
	combined	14	1053	5791	13	690	3642	13	679	3757	13	1006	6099
3. Bihar	1	19	1643	9450	19	1256	6941	19	1791	9372	19	1162	6675
	2	19	1926	10540	19	2135	11401	19	1682	8942	18	1815	10569
	combined	38	3569	19990	38	3391	18342	38	3473	18314	37	2977	17244
4. Gujarat	1	8	564	3089	9	1223	6138	10	1085	5572	9	853	5152
	2	9	1244	6492	8	1077	5862	9	556	3266	8	649	3568
	combined	17	1808	9581	17	2300	12000	19	1641	8838	17	1502	8720
5. Jammu and Kashmir	1	27	1900	10511	27	1334	7521	26	1775	10163	25	1707	9458
	2	27	1970	10923	25	1717	10138	27	1524	8423	26	1847	10983
	combined	54	3870	21434	52	3051	17659	53	3299	18586	51	3554	20441
6. Kerala	1	6	503	2806	6	823	4537	6	906	4964	6	743	4106
	2	6	801	3894	6	754	4227	6	679	3706	6	701	3920
	combined	12	1304	6700	12	1577	8764	12	1585	8670	12	1444	8026
7. Madhya Pradesh	1	21	2072	10581	20	1350	6711	21	1673	8232	20	1405	7039
	2	20	1245	6278	21	1461	6943	20	1370	6820	21	1621	7679
	combined	41	3317	16859	41	2811	13654	41	3043	15052	41	3026	14718
8. Madras	1	15	2076	9160	15	2402	10071	15	2565	11251	15	1659	7506
	2	15	1914	8024	15	1995	8728	15	1896	7977	14	2099	9374
	combined	30	3990	17184	30	4397	18799	30	4461	19228	29	3758	16880

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TABLE S(1.1.C) (Contd.): TOTAL NUMBER OF SAMPLE VILLAGES SURVEYED AND NUMBER OF SAMPLE HOUSEHOLDS AND PERSONS ENUMERATED IN THE STATES IN THE SIX SUB-ROUNDS: NSS 15TH ROUND, RURAL

state	sample	fifth sub-round			sixth sub-round			all sub-round combined		
		vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons
(1)	(2)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1. Andhra Pradesh	1	18	2253	10684	18	2272	10874	108	13551	62812
	2	18	2373	10851	18	2622	11785	107	14234	64953
	combined	36	4526	21535	36	4894	22659	215	27785	127765
2. Assam (excl. Manipur and Tripura)	1	6	481	2842	7	725	3680	40	2618	14985
	2	7	607	3306	7	822	4761	40	3445	18893
	combined	13	1088	6148	14	1547	8441	80	6063	33878
3. Bihar	1	19	1538	8201	19	1285	7267	114	8675	47906
	2	19	1980	11254	19	1659	9166	113	11197	61872
	combined	38	3518	19455	38	2944	16433	227	19872	109778
4. Gujarat	1	10	899	5108	8	876	4980	54	5500	30039
	2	9	1325	7104	7	1013	5662	50	5864	31954
	combined	19	2224	12212	15	1889	10642	104	11364	61993
5. Jammu and Kashmir	1	26	2088	11502	27	2374	14835	158	11178	63990
	2	24	1657	9080	27	2004	12007	156	10719	61554
	combined	50	3745	20582	54	4378	26842	314	21897	125544
6. Kerala	1	6	753	4432	6	697	4051	36	4425	24896
	2	6	714	3866	6	835	4812	36	4484	24425
	combined	12	1467	8298	12	1532	8863	72	8909	49321
7. Madhya Pradesh	1	21	1535	7549	21	1613	8150	124	9648	48262
	2	21	1440	7036	21	1327	6550	124	8464	41306
	combined	42	2975	14585	42	2940	14700	248	18112	89568
8. Madras	1	14	2336	10076	15	1629	7066	89	12667	55130
	2	15	2124	9282	15	2295	10497	89	12323	53882
	combined	29	4460	19358	30	3924	17563	178	24990	109012

TABLE S(1.1.C) (Contd.): TOTAL NUMBER OF SAMPLE VILLAGES SURVEYED AND NUMBER OF SAMPLE HOUSEHOLDS AND PERSONS ENUMERATED IN THE STATES IN THE SIX SUB-ROUNDS: NSS 15TH ROUND: RURAL

state	sample	first sub-round			second sub-round			third sub-round			fourth sub-round		
		vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
9. Maharashtra	1	18	2196	11111	17	1553	7865	16	2623	13775	17	1854	9397
	2	17	1819	9169	18	2256	11049	17	2111	10678	17	1266	6593
	combined	35	4015	20280	35	3809	18914	33	4734	24453	34	3120	15990
10. Mysore	1	10	793	4204	10	1134	6089	10	997	5353	10	1157	6346
	2	10	1161	5753	10	876	4484	10	905	4624	10	1386	7889
	combined	20	1954	9957	20	2010	10573	20	1902	9977	20	2543	14235
11. Orissa	1	10	510	2420	10	946	4358	10	422	2193	10	312	1497
	2	10	414	2070	10	876	4099	10	385	1717	10	659	3071
	combined	20	924	4490	20	1822	8457	20	807	3910	20	971	4568
12. Punjab (excl. Delhi and H. Pradesh)	1	7	439	2567	7	643	3830	6	459	2685	7	433	2479
	2	6	275	1481	7	727	3946	7	602	3623	7	565	3306
	combined	13	714	4048	14	1370	7776	13	1061	6308	14	998	5785
13. Rajasthan	1	10	742	4234	10	1055	5810	10	810	4585	10	1176	6397
	2	10	655	3507	10	775	3989	10	691	3804	10	895	4882
	combined	20	1397	7741	20	1830	9799	20	1501	8389	20	2071	11279
14. Uttar Pradesh	1	26	1870	9425	25	1764	9229	23	2732	13943	25	2700	14167
	2	26	2615	13214	26	2086	11706	24	1950	10136	26	2561	13183
	combined	52	4485	22639	51	3850	20935	47	4682	24079	51	5261	27350
15. West Bengal	1	14	876	4802	14	1052	5706	14	1993	10297	13	1548	7804
	2	13	1014	5542	13	1278	6946	14	975	5240	14	1787	7563
	combined	27	1890	10344	27	2330	12652	28	2968	15537	27	3335	15367

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TABLE S(I.I.C) (Contd.): TOTAL NUMBER OF SAMPLE VILLAGES SURVEYED AND NUMBER OF SAMPLE HOUSEHOLDS AND PERSONS ENUMERATED IN THE STATES IN THE SIX SUB-ROUNDS: NSS 15TH ROUND, RURAL

state	sample	fifth sub-round			sixth sub-round			all sub-rounds combined		
		vill- age	house- holds	per- sons	vill- age	house- holds	per- sons	vill- age	house- holds	per- sons
(1)	(2)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
9. Maharashtra	1	14	1411	7291	17	1691	9292	99	11328	58731
	2	17	1889	9704	18	1573	8278	104	10914	55471
	combined	31	3300	16995	35	3264	17570	203	22242	114202
10. Mysore	1	10	572	2981	10	602	3283	60	5255	28256
	2	9	856	4945	10	509	2771	59	5693	30466
	combined	19	1428	7926	20	1111	6054	119	10948	58722
11. Orissa	1	10	728	3554	10	620	2989	60	3538	17011
	2	10	599	2843	10	932	4199	60	3865	17999
	combined	20	1327	6397	20	1552	7188	120	7403	35010
12. Punjab (excl. Delhi and H. Pradesh)	1	7	703	4243	7	728	4294	41	3405	20098
	2	7	742	4310	7	583	3182	41	3494	19848
	combined	14	1445	8553	14	1311	7476	82	6899	39946
13. Rajasthan	1	10	711	3859	9	611	3151	59	5105	28036
	2	10	1050	5841	8	653	3662	58	4719	25685
	combined	20	1761	9700	17	1264	6813	117	9824	53721
14. Uttar Pradesh	1	26	1669	8907	25	1925	9809	150	12660	65480
	2	26	2302	11574	26	2646	13567	154	14160	73380
	combined	52	3971	20481	51	4571	23376	304	26820	138860
15. West Bengal	1	14	1293	7317	14	1283	6655	83	8045	42581
	2	14	1012	5553	14	1127	5892	82	7193	36736
	combined	28	2305	12870	28	2410	12547	165	15238	79317

TABLE Z(3.1.C): ANNUAL RATES PER 1000 PERSONS FOR BIRTHS, DEATHS, AND DIFFERENCE OF BIRTHS AND DEATHS IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES IN THE SIX SUB-ROUNDS: NSS 15TH ROUND, RURAL

zone	sub-sam- ple	rates per 1000 persons																				
		birth							death							natural increase = birth—death						
		sub-round							sub-round							sub-round						
		1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1. north	1	44.85	41.36	42.85	36.15	41.61	36.97	40.40	15.73	12.31	11.63	11.07	10.74	11.07	11.95	29.12	29.05	31.22	25.08	30.87	25.90	28.45
	2	36.74	36.90	39.83	41.38	41.35	41.78	39.73	13.75	12.68	9.96	12.86	15.64	18.42	14.06	22.99	24.22	29.87	28.52	25.71	23.36	25.67
	comb.	40.81	39.49	41.34	38.70	41.48	39.20	40.08	14.74	12.47	10.79	11.95	13.12	14.48	12.94	26.07	27.02	30.55	26.75	28.36	24.72	27.14
2. central	1	43.21	45.29	47.70	44.05	50.58	43.28	45.52	24.44	17.94	21.98	22.43	20.52	16.45	21.07	18.77	27.35	25.72	21.62	30.06	26.83	24.45
	2	37.01	40.66	46.88	44.40	32.57	38.33	39.96	20.66	20.43	17.17	18.46	17.70	17.73	18.78	16.35	20.23	29.71	25.94	14.87	20.60	21.18
	comb.	40.34	42.50	47.36	44.21	40.71	40.57	42.74	22.69	19.44	19.98	20.63	18.97	17.15	19.92	17.65	23.06	27.38	23.58	21.74	23.42	22.82
3. east	1	35.41	36.31	30.63	36.54	34.14	37.05	34.87	13.37	11.15	10.73	10.19	9.94	12.25	11.11	22.04	25.16	19.90	26.35	24.20	24.80	23.76
	2	35.82	36.54	34.82	36.52	37.51	36.34	36.05	13.83	12.28	16.16	12.34	18.78	12.36	13.92	21.99	24.26	18.66	24.18	18.73	23.98	22.13
	comb.	35.65	36.43	32.51	36.53	35.59	36.64	35.49	13.63	11.79	13.17	11.33	13.75	12.31	12.57	22.02	24.64	19.34	25.20	21.84	24.33	22.92
4. south	1	36.63	37.91	36.27	36.51	38.77	33.12	36.64	15.34	14.38	10.05	11.74	13.19	10.90	12.62	21.29	23.53	26.22	24.77	25.58	22.22	24.02
	2	39.28	36.58	36.52	37.00	33.80	37.16	36.69	15.32	15.19	9.69	13.42	14.21	15.33	13.67	23.96	21.39	26.83	23.58	19.59	21.83	23.02
	comb.	38.01	37.36	36.40	36.78	36.22	35.26	36.67	15.32	14.71	9.86	12.67	13.71	13.25	13.15	22.69	22.65	26.54	24.11	22.51	22.01	23.52
5. west	1	40.52	45.05	40.81	39.08	40.22	36.02	40.41	17.31	14.28	16.17	14.29	16.97	12.54	15.34	23.21	30.77	24.64	24.79	23.25	23.48	25.07
	2	41.54	42.75	42.74	36.97	40.49	38.89	40.59	14.88	14.87	16.66	15.50	14.26	12.14	14.77	26.66	27.88	26.08	21.47	26.23	26.75	25.82
	comb.	40.96	43.81	41.59	38.01	40.36	37.42	40.50	16.12	14.00	16.37	14.90	15.53	12.35	15.06	24.84	29.21	25.22	23.11	24.83	25.07	25.44
6. all India (rural)	1	39.90	40.74	39.50	39.23	40.29	37.66	39.58	18.27	14.00	14.98	14.95	13.94	12.95	14.87	21.63	26.74	24.52	24.28	26.35	24.72	24.71
	2	37.92	38.88	39.89	39.12	36.38	37.89	38.29	16.21	15.55	14.22	14.64	16.37	14.96	15.29	21.71	23.33	25.67	24.48	20.01	22.93	23.00
	comb.	38.90	39.77	39.68	39.17	38.34	37.79	38.93	17.22	14.81	14.63	14.79	15.15	14.02	15.08	21.68	24.96	25.05	24.38	23.19	23.77	23.85

TABLE S(3.1.C): ANNUAL RATES PER 1000 PERSONS FOR BIRTHS, DEATHS AND DIFFERENCE OF BIRTHS AND DEATHS IN THE STATES FROM TWO INTERPENETRATING SAMPLES IN THE SIX SUB-ROUNDS : NSS 15THE ROUND, RURAL

state	sam- ple	rate per 1000 persons																				
		birth							death							natural increase = birth - death						
		sub-round							sub-round							sub-round						
		1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1. Andhra Pradesh	1	32.44	32.70	35.52	32.99	36.63	32.91	33.81	13.92	11.92	12.25	10.66	11.17	10.54	11.70	18.52	20.78	23.27	22.33	25.46	22.37	22.11
	2	36.96	34.77	37.01	39.45	33.53	35.60	36.05	14.42	16.18	9.43	17.25	15.64	12.47	14.26	22.54	18.59	27.58	22.20	17.89	23.13	21.79
	comb.	35.32	33.49	36.24	36.30	34.79	34.07	34.94	14.24	13.56	10.90	14.03	13.82	11.38	12.99	21.08	19.93	25.34	22.27	20.97	22.69	21.95
2. Assam	1	36.99	28.92	36.93	41.30	37.43	27.99	34.47	7.19	6.88	4.94	8.77	5.92	3.04	5.82	29.80	22.04	31.99	32.53	31.51	24.95	28.65
	2	37.34	31.61	32.63	35.94	42.04	38.86	37.40	13.30	13.70	13.45	17.09	37.33	14.24	19.27	24.04	17.91	19.18	18.85	4.71	24.62	18.13
	comb.	37.24	30.30	34.82	38.64	39.80	33.95	36.07	11.49	10.39	9.11	12.89	22.10	9.18	13.16	25.75	19.91	25.71	25.75	17.70	24.77	22.91
3. Bihar	1	34.25	41.40	24.40	38.61	35.58	38.09	34.68	15.79	16.47	11.26	12.57	12.67	17.47	13.98	18.46	24.93	13.14	26.04	22.91	20.62	20.70
	2	28.17	36.32	34.82	37.81	37.79	33.92	34.72	14.22	11.11	17.62	12.24	17.69	10.50	13.85	13.95	25.21	17.20	25.57	20.10	23.42	20.87
	comb.	30.89	38.22	29.66	38.22	36.80	35.56	34.70	14.93	13.11	14.47	12.41	15.45	13.24	13.91	15.96	25.11	15.19	25.81	21.35	22.32	20.79
4. Gujarat	1	41.36	47.06	44.25	42.83	49.85	35.94	43.78	17.17	11.93	17.59	9.80	18.69	11.01	14.07	24.19	35.13	26.66	33.03	31.16	24.93	29.71
	2	40.95	48.30	42.47	44.61	45.81	44.95	44.85	13.81	10.75	15.17	14.28	12.65	13.45	13.03	27.14	37.55	27.30	30.33	33.16	31.50	31.82
	comb.	41.08	47.69	43.82	43.53	47.44	41.00	44.34	14.83	11.33	16.79	11.58	15.09	12.38	13.53	26.25	36.36	27.03	31.95	32.35	28.62	30.81
5. Jammu and Kashmir	1	27.32	22.59	32.89	26.87	26.80	23.74	26.67	11.68	13.39	10.61	9.88	9.80	10.96	10.93	15.64	9.20	22.28	16.99	17.00	12.78	15.74
	2	25.43	21.52	27.85	25.77	26.54	27.58	25.64	16.93	12.05	15.83	14.20	13.62	24.07	16.36	8.50	9.47	12.02	11.57	12.92	3.51	9.28
	comb.	26.20	21.89	30.29	26.28	26.68	25.77	26.10	14.79	12.52	13.31	12.23	11.63	17.87	13.93	11.41	9.37	16.98	14.05	15.05	7.90	12.17
6. Kerala	1	44.20	49.14	42.07	38.76	33.74	35.03	40.50	24.11	15.36	9.84	13.21	9.48	10.32	13.76	20.09	33.78	32.23	25.55	24.26	24.71	26.74
	2	52.74	36.82	35.63	35.78	39.97	34.48	38.97	11.57	11.67	12.10	5.64	9.77	13.03	10.72	41.17	25.15	23.53	30.14	30.20	21.45	28.25
	comb.	48.77	43.22	37.92	37.47	37.23	34.77	39.70	17.39	13.59	11.30	9.92	9.64	11.58	12.18	31.38	29.63	26.62	27.55	27.59	23.19	27.52

TABLE S(3.1.C) (Contd.): ANNUAL RATES PER 1000 PERSONS FOR BIRTHS, DEATHS AND DIFFERENCE OF BIRTHS AND DEATHS IN THE STATES FROM TWO INTERPENETRATING SAMPLES IN THE SIX SUB-ROUNDS : NSS 15TH ROUND, RURAL

state	sam- ple	rate per 1000 persons																				
		birth							death							natural increase = birth—death						
		sub-round							sub-round							sub-round						
		1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
7. Madhya Pradesh	1	48.85	43.06	42.69	42.21	42.79	34.91	42.97	15.99	13.58	17.58	14.38	12.88	12.32	14.69	32.86	29.48	25.11	27.83	29.91	22.59	28.28
	2	39.34	39.97	51.35	43.32	42.01	38.61	42.77	24.66	17.27	15.10	16.99	18.01	12.24	17.29	14.68	22.70	36.25	26.33	24.00	26.37	25.48
	comb.	45.63	41.42	46.79	42.73	42.43	36.54	42.88	18.93	15.54	16.41	15.60	15.24	12.28	15.85	26.70	25.88	30.38	27.13	27.19	24.26	27.03
8. Madras	1	37.02	41.84	35.26	39.72	41.95	32.07	38.28	13.32	17.86	8.24	11.79	15.23	12.01	13.13	23.70	23.98	27.02	27.93	26.72	20.06	25.15
	2	35.87	38.81	36.59	35.48	32.11	39.15	36.42	19.02	15.53	8.79	13.65	13.68	18.13	14.27	16.85	23.28	27.80	21.83	18.43	21.02	22.15
	comb.	36.55	40.53	35.97	36.86	37.78	36.80	37.31	15.69	16.86	8.54	13.05	14.57	16.10	13.72	20.86	23.67	27.43	23.81	23.21	20.70	23.59
9. Maha-rashtra	1	37.98	41.60	41.43	35.17	36.28	38.41	38.68	16.31	13.80	15.24	14.92	17.26	14.24	15.45	21.67	27.80	26.19	20.25	19.02	24.17	23.23
	2	44.99	39.17	42.93	34.86	39.26	36.48	39.52	17.00	14.36	16.24	18.86	15.74	12.33	15.97	27.99	24.81	26.69	16.00	23.52	24.15	23.55
	comb.	40.65	40.14	42.04	34.99	37.66	37.63	39.08	16.57	14.14	15.64	17.29	16.55	13.47	15.70	24.08	26.00	26.40	17.70	21.11	24.16	23.38
10. Mysore	1	45.43	47.57	35.07	40.50	41.87	31.19	40.85	19.42	17.52	17.10	15.77	13.48	10.79	16.19	26.01	30.05	17.97	24.73	28.39	20.40	24.66
	2	38.29	43.89	42.51	37.29	36.58	33.44	38.57	13.39	21.12	18.94	11.12	13.39	10.03	14.32	24.90	22.77	23.57	26.17	23.19	23.41	24.25
	comb.	41.54	45.81	38.34	39.06	38.48	32.32	39.70	16.14	19.24	17.91	13.67	13.42	10.39	15.25	25.40	26.57	20.43	25.39	25.06	21.93	24.45
11. Orissa	1	34.43	35.87	41.54	41.63	34.80	38.92	37.22	14.38	10.57	15.70	16.25	10.89	15.45	13.17	20.05	25.30	25.84	25.38	23.91	23.47	24.05
	2	45.03	39.26	44.75	40.75	36.77	35.81	39.32	13.68	16.33	27.83	22.40	13.74	14.80	17.37	31.35	22.93	16.92	18.35	23.03	21.01	21.95
	comb.	39.26	37.52	42.86	41.01	35.59	36.82	38.34	14.06	13.36	20.67	20.55	12.03	15.01	15.41	25.20	24.16	22.19	20.46	23.56	21.81	22.93
12. Punjab	1	44.72	43.57	40.41	52.40	33.99	42.18	42.88	13.64	12.21	8.14	12.64	11.26	12.74	11.93	31.08	31.36	32.27	39.76	22.73	29.44	30.95
	2	33.68	35.97	48.01	42.66	40.00	36.48	39.35	13.90	12.03	10.57	12.70	10.34	14.43	12.25	19.78	23.94	37.44	29.96	29.66	22.05	27.10
	comb.	40.71	40.37	44.21	46.35	39.06	39.80	41.23	13.74	12.14	9.36	12.68	10.77	13.44	12.08	26.97	28.23	34.85	33.67	28.29	26.36	29.15

Rates of Birth, Death, and Growth of Rural Population

TABLE S(3.1.C) (Contd.): ANNUAL RATES PER 1000 PERSONS FOR BIRTHS, DEATHS AND DIFFERENCE OF BIRTHS AND DEATHS IN STATES FROM TWO INTERPENETRATING SAMPLES IN THE SIX SUB-ROUNDS: NSS 15TH ROUND, RURAL

state	sam- ple	rate per 1000 persons																				
		birth							death							natural increase = birth—death						
		sub-round							sub-round							sub-round						
		1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
13. Rajasthan	1	48.26	40.21	47.19	33.10	39.20	32.41	39.22	16.64	12.08	13.73	10.50	9.63	8.97	11.68	31.62	28.13	33.46	22.60	29.57	23.44	27.54
	2	40.18	40.66	36.06	42.77	44.15	50.51	42.35	14.53	13.41	8.27	11.27	19.33	22.23	14.82	25.65	27.25	27.79	31.50	24.82	28.28	27.53
	comb.	44.12	40.38	41.17	37.15	41.77	41.39	40.69	15.56	12.60	10.77	10.82	14.67	15.55	13.16	28.56	27.78	30.40	26.33	27.10	25.84	27.53
14. Uttar Pradesh	1	39.50	46.33	49.51	44.75	55.07	47.61	46.73	30.00	19.99	23.57	25.52	24.92	18.59	24.12	9.50	26.34	25.94	19.23	30.15	29.02	22.61
	2	36.29	40.88	44.63	44.85	29.32	38.25	38.97	19.43	21.42	18.22	19.07	17.60	19.31	19.30	16.86	19.46	26.41	25.78	11.72	18.94	19.67
	comb.	37.82	42.90	47.60	44.80	39.95	42.12	42.68	24.48	20.89	21.48	22.64	20.62	19.01	21.61	13.34	22.01	26.12	22.16	19.33	23.11	21.07
15. West Bengal	1	39.48	30.88	34.51	27.84	32.70	39.78	33.33	9.64	5.63	9.11	6.92	10.84	10.25	8.79	29.84	25.25	25.40	20.92	21.86	29.53	24.54
	2	31.58	36.34	31.10	28.73	33.90	40.36	33.16	9.86	10.70	7.31	6.11	8.36	10.92	8.68	21.72	25.64	23.79	22.62	25.54	29.44	24.48
	comb.	34.32	33.95	33.30	28.29	33.09	40.03	33.25	9.78	8.48	8.47	6.52	10.03	10.54	8.74	24.54	25.47	24.83	21.77	23.06	29.49	24.51
16. all India (rural)	1	39.90	40.74	39.50	39.23	40.29	37.66	39.58	18.27	14.00	14.98	14.95	13.94	12.95	14.87	21.63	26.74	24.52	24.28	26.35	24.72	24.71
	2	37.92	38.88	39.89	39.12	36.38	37.89	38.29	16.21	15.55	14.22	14.64	16.37	14.96	15.29	21.71	23.33	25.67	24.48	20.01	22.93	23.00
	comb.	38.90	39.77	39.68	39.17	38.34	37.79	38.93	17.22	14.81	14.63	14.79	15.15	14.02	15.08	21.68	24.96	25.05	24.38	23.19	23.77	23.85

TABLE Z(A 2.1.C): ANNUAL RATES PER 1000 PERSONS FOR BIRTHS, DEATHS AND DIFFERENCE OF BIRTHS AND DEATHS DURING 'YEAR BEFORE LAST' IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES IN SIX SUB-ROUNDS:
NSS 15TH ROUND, RURAL

zone	sub-sample	rate per 1000 persons																				
		births							deaths							natural increase = birth-death						
		sub-round							sub-round							sub-round						
		1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all	1st	2nd	3rd	4th	5th	6th	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1. north	1	28.41	35.28	29.89	28.49	26.10	21.35	28.62	8.43	8.84	6.66	3.89	5.52	6.65	6.72	19.98	26.44	23.23	24.60	20.58	14.70	21.90
	2	29.18	26.54	29.49	31.12	27.82	28.40	28.68	10.22	7.66	13.47	7.33	8.56	6.70	8.76	18.96	18.88	16.02	23.79	19.26	21.70	19.92
	comb.	28.79	31.63	29.69	29.78	26.94	24.61	28.65	9.32	8.34	10.07	5.57	6.99	6.67	7.69	19.47	23.29	19.62	24.21	19.95	17.94	20.96
2. central	1	31.27	31.43	31.13	30.42	30.96	27.38	30.50	14.44	13.63	15.02	10.76	13.27	9.72	12.90	16.83	17.80	16.11	19.66	17.69	17.66	17.60
	2	33.38	29.44	28.62	32.14	35.97	26.40	30.91	13.41	14.57	10.23	11.56	7.29	10.29	11.39	19.97	14.87	18.39	20.58	28.68	16.11	19.52
	comb.	32.25	30.23	30.09	31.20	33.71	26.84	30.71	13.96	14.20	13.03	11.13	10.00	10.15	12.15	18.29	16.03	17.06	20.07	23.71	16.69	18.56
3. east	1	22.48	21.34	21.39	22.61	20.73	27.16	22.46	6.42	7.93	3.52	4.03	3.55	8.47	5.39	16.06	13.41	17.87	18.58	17.18	18.69	17.07
	2	20.80	24.79	25.20	25.05	25.69	27.48	24.87	7.09	6.79	8.71	6.81	8.56	8.66	7.69	13.71	18.00	16.49	18.24	17.13	18.82	17.18
	comb.	21.51	23.27	23.10	23.90	22.87	27.35	23.70	6.81	7.29	5.85	5.50	5.72	8.58	6.59	14.70	15.98	17.25	18.40	17.15	18.77	17.11
4. south	1	25.97	26.62	28.34	29.14	27.04	27.27	27.34	7.28	6.82	8.64	6.85	4.22	7.70	6.93	18.69	19.80	19.70	22.29	22.82	19.57	20.41
	2	29.11	29.60	29.17	26.03	26.40	32.03	28.75	7.73	8.07	7.60	7.15	8.27	10.84	8.26	21.38	21.53	21.57	18.88	18.13	21.19	20.49
	comb.	27.65	27.86	28.78	27.43	26.71	29.79	28.05	7.52	7.34	8.09	7.01	6.30	9.36	7.62	20.13	20.52	20.69	20.42	20.41	20.43	20.43
5. west	1	27.34	30.11	29.70	30.77	29.38	27.73	29.22	9.85	8.71	11.47	9.05	16.61	9.75	10.81	17.49	21.40	18.23	21.72	12.77	17.98	18.41
	2	32.01	30.95	30.61	30.09	32.36	31.93	31.30	10.63	10.78	10.83	9.26	8.56	9.50	9.93	21.38	20.17	19.78	20.83	23.80	22.43	21.37
	comb.	29.63	30.57	30.06	30.43	30.98	29.78	30.25	10.23	9.83	11.21	9.16	12.30	9.63	10.37	19.40	20.74	18.85	21.27	18.68	20.15	19.88
6. all India (rural)	1	27.38	28.21	27.76	27.89	26.08	26.62	27.36	9.99	9.09	9.62	7.32	7.86	8.62	8.75	17.39	19.12	18.14	20.57	18.22	18.00	18.61
	2	28.98	28.15	28.29	28.43	29.81	28.82	28.64	9.94	10.00	9.49	8.53	8.17	9.48	9.25	19.04	18.15	18.80	19.90	21.64	19.34	19.39
	comb.	28.20	28.18	28.00	28.16	27.94	27.78	28.00	9.97	9.57	9.56	7.93	8.02	9.07	9.00	18.23	18.61	18.44	20.23	19.93	18.71	19.00

National Sample Survey

TABLE Z(3.2.C): ANNUAL GENERAL FERTILITY RATE PER 1000 FEMALES AGED 15-44 IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES IN THE SIX SUB-ROUNDS: NSS 15TH ROUND, RURAL

zone	sample	sub-round						all sub-rounds combined
		1	2	3	4	5	6	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. north	1	226	212	226	189	213	190	208
	2	176	189	201	214	213	214	
	combined	200	202	213	201	213	201	
2. central	1	209	219	231	209	248	211	220
	2	180	203	225	213	154	177	
	combined	196	210	228	211	195	192	
3. east	1	166	172	147	176	165	175	166
	2	159	173	164	175	174	172	
	combined	162	172	155	175	169	173	
4. south	1	168	167	165	171	181	153	167
	2	178	168	168	169	154	169	
	combined	173	167	166	170	167	162	
5. west	1	195	223	193	192	186	176	194
	2	192	204	204	186	192	186	
	combined	194	212	197	189	190	181	
6. all India (rural)	1	190	194	188	189	194	181	190
	2	176	187	189	189	171	178	
	combined	183	190	189	189	182	180	

TABLE Z(3.3.C): NUMBER OF INFANT DEATHS PER 1000 LIVE BIRTHS IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES IN THE SIX SUB-ROUNDS: NSS 15TH ROUND, RURAL

zone	sample	sub-round						all sub-rounds combined
		1	2	3	4	5	6	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. north	1	88	87	68	59	88	48	74
	2	72	81	58	81	93	95	
	combined	81	85	63	69	90	71	
2. central	1	141	101	131	143	139	107	129
	2	155	129	106	118	118	131	
	combined	147	117	121	131	130	120	
3. east	1	88	65	82	56	82	90	76
	2	100	90	94	96	126	103	
	combined	95	79	88	77	102	97	
4. south	1	74	70	62	53	63	68	66
	2	87	103	55	94	120	121	
	combined	81	83	58	76	91	98	
5. west	1	100	92	85	95	62	104	90
	2	89	81	98	68	89	72	
	combined	95	86	90	82	76	88	
6. all India (rural)	1	107	83	95	92	91	88	93
	2	108	101	86	96	112	109	
	combined	107	92	91	94	101	99	

Rates of Birth, Death and Growth of Rural Population

TABLE S(3.2.C): ANNUAL GENERAL FERTILITY RATE PER 1000 FEMALES AGED 15-44
IN THE STATES FROM TWO INTERPENETRATING SAMPLES IN THE SIX SUB-
ROUNDS: NSS 15TH ROUND, RURAL

state	sample	sub-round						all sub- rounds combined
		1	2	3	4	5	6	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Andhra Pradesh	1	152	144	162	155	169	152	154
	2	171	161	179	185	156	162	168
	combined	164	150	170	170	161	156	161
2. Assam	1	187	150	194	201	190	136	173
	2	185	149	155	201	187	195	182
	combined	185	149	174	201	188	168	178
3. Bihar	1	159	196	120	182	168	175	164
	2	135	175	161	177	176	161	164
	combined	146	183	142	180	173	166	164
4. Gujarat	1	205	226	201	218	245	181	212
	2	195	245	201	225	220	216	218
	combined	198	235	201	221	230	201	215
5. Jammu and Kashmir	1	127	105	156	130	122	110	125
	2	110	103	126	121	121	127	117
	combined	116	104	140	125	122	119	121
6. Kerala	1	216	208	206	188	164	164	191
	2	232	167	165	159	195	154	177
	combined	225	189	179	175	181	159	184
7. Madhya Pradesh	1	230	209	198	193	209	165	203
	2	185	187	237	203	185	176	197
	combined	215	197	217	198	198	170	200
8. Madras	1	163	187	157	179	195	147	172
	2	160	176	162	161	141	180	163
	combined	162	183	159	167	171	169	168
9. Maharashtra	1	178	204	196	163	162	182	180
	2	208	183	206	174	180	173	187
	combined	189	191	200	169	170	178	183
10. Mysore	1	231	245	171	204	208	155	205
	2	174	202	203	189	183	161	185
	combined	198	223	185	197	192	158	195
11. Orissa	1	163	160	187	185	159	179	169
	2	205	191	208	186	163	162	181
	combined	183	174	195	185	160	167	175
12. Punjab	1	247	241	219	290	214	217	233
	2	165	178	266	224	215	185	204
	combined	215	213	242	248	214	203	219
13. Rajasthan	1	231	197	254	171	197	170	198
	2	196	218	178	230	224	268	219
	combined	214	205	211	195	211	219	208
14. Uttar Pradesh	1	194	223	244	215	270	236	228
	2	179	209	218	217	142	177	190
	combined	186	214	234	216	194	201	208
15. West Bengal	1	188	152	160	141	164	195	163
	2	158	163	155	141	165	196	160
	combined	169	158	158	141	164	195	162
16. all India (rural)	1	190	194	188	189	194	181	189
	2	177	188	189	189	171	178	182
	combined	183	190	189	189	183	180	186

National Sample Survey

TABLE S(3.3.C) : NUMBER OF INFANT DEATHS PER 1000 LIVE BIRTHS IN STATES FROM
TWO INTERPENETRATING SAMPLES IN THE SIX SUB-ROUNDS :
NSS 15TH ROUND, RURAL

state	sample	sub-round						all sub- rounds combined
		1	2	3	4	5	6	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Andhra Pradesh	1	42	6	75	58	111	65	57
	2	93	123	49	115	139	106	104
	combined	75	53	62	90	127	84	81
2. Assam	1	74	64	99	21	60	45	56
	2	80	48	129	133	217	73	119
	combined	78	55	113	73	145	63	92
3. Bihar	1	104	110	123	46	135	110	99
	2	94	92	97	89	123	98	98
	combined	99	99	108	66	128	103	99
4. Gujarat	1	108	117	93	52	112	68	94
	2	73	38	90	71	98	91	75
	combined	84	76	92	60	104	82	84
5. Jammu and Kashmir	1	51	78	52	97	50	59	63
	2	103	59	79	74	116	180	106
	combined	81	66	65	84	81	127	86
6. Kerala	1	32	109	93	28	63	61	63
	2	29	69	44	59	19	149	57
	combined	30	93	63	41	37	101	60
7. Madhya Pradesh	1	59	71	80	91	46	120	75
	2	231	118	69	114	84	118	117
	combined	109	95	74	102	63	119	94
8. Madras	1	111	131	41	78	34	81	76
	2	125	94	63	90	136	123	101
	combined	117	116	53	86	71	110	89
9. Maharashtra	1	108	66	70	101	41	118	83
	2	98	86	93	68	80	58	82
	combined	104	78	80	81	60	94	83
10. Mysore	1	84	97	119	111	46	118	98
	2	91	131	117	67	95	56	93
	combined	87	112	118	92	76	84	96
11. Orissa	1	87	51	61	150	78	55	74
	2	108	116	154	159	87	126	126
	combined	98	84	101	158	82	102	102
12. Punjab	1	109	106	65	78	92	53	84
	2	67	108	64	121	105	56	90
	combined	96	107	65	103	99	54	87
13. Rajasthan	1	66	75	61	44	47	37	57
	2	74	63	54	67	84	119	78
	combined	70	70	57	55	68	86	67
14. Uttar Pradesh	1	208	114	147	161	181	103	153
	2	130	133	128	120	134	135	130
	combined	169	125	140	143	161	120	142
15. West Bengal	1	82	—	49	64	66	108	64
	2	59	75	31	35	68	108	63
	combined	68	45	43	50	67	108	64
16. all India (rural)	1	107	83	95	92	91	88	93
	2	106	101	86	96	112	109	102
	combined	107	92	91	94	101	99	97

Rates of Birth, Death and Growth of Rural Population

TABLE Z(3.4.1): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES: NSS 15TH ROUND RURAL, FIRST SUB-ROUND (JULY-SEPTEMBER 1959)

zone	sample	average household size	sex ratio ¹	percentage of population by							religion	
				age-group (years)			total	Hinduism	Islam	others ²	Islam	others ²
				0-14	15-44	45-above							(8)	(9)	(10)	(11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
1. north	1	5.77	111.69	43.26	41.76	14.98	100.00	74.74	13.29	11.97		
	2	5.47	108.41	40.82	43.54	15.64	100.00	79.89	14.82	5.29		
	combined	5.62	110.04	42.04	42.65	15.31	100.00	77.31	14.05	8.64		
2. central	1	5.03	106.49	40.28	43.02	16.70	100.00	95.86	3.99	0.15		
	2	5.04	110.18	39.98	42.49	17.53	100.00	90.95	8.19	0.86		
	combined	5.04	108.18	40.14	42.78	17.08	100.00	93.59	5.93	0.48		
3. east	1	5.30	102.03	41.47	42.26	16.27	100.00	84.95	12.57	2.48		
	2	5.55	104.39	41.46	42.59	15.95	100.00	88.92	10.76	0.32		
	combined	5.44	103.39	41.47	42.44	16.09	100.00	87.18	11.55	1.27		
4. south	1	4.59	100.26	39.02	42.96	18.02	100.00	87.02	7.76	5.22		
	2	4.57	97.39	40.16	43.06	16.78	100.00	90.00	7.30	2.70		
	combined	4.58	98.71	39.63	43.02	17.35	100.00	88.62	7.51	3.87		
5. west	1	5.16	104.40	41.88	42.01	16.11	100.00	91.66	4.66	3.68		
	2	4.89	101.47	41.15	43.12	15.73	100.00	95.02	2.94	2.04		
	combined	5.02	102.95	41.51	42.56	15.93	100.00	93.31	3.82	2.87		
6. all India (rural)	1	5.07	104.33	40.85	42.55	16.60	100.00	82.29	7.47	3.24		
	2	5.07	104.21	40.69	42.82	16.49	100.00	90.03	8.32	1.65		
	combined	5.07	104.27	40.76	42.69	16.55	100.00	89.67	7.90	2.43		

¹ males per 100 females.

² religion other than Hinduism and Islam.

TABLE Z(3.4.2): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUPS AND RELIGION, FROM TWO INTERPENETRATING SAMPLES: NSS 15TH ROUND, RURAL, SECOND SUB-ROUND (SEPTEMBER-NOVEMBER 1959)

zone	sample	average household size	sex ratio ¹	percentage of population by						
				age-group (years)				religion		
				0-14	15-44	45-above	total	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. north	1	5.69	105.72	44.78	39.44	15.78	100.00	82.33	3.76	13.91
	2	5.25	113.71	42.30	41.01	16.69	100.00	77.42	7.96	14.62
	combined	5.50	108.99	43.74	40.10	16.16	100.00	80.28	5.51	14.21
2. central	1	5.09	107.90	40.82	42.16	17.02	100.00	92.62	6.27	1.11
	2	5.14	109.29	41.02	41.97	17.01	100.00	91.97	7.83	0.20
	combined	5.12	108.74	40.94	42.05	17.01	100.00	92.23	7.21	0.56
3. east	1	5.12	97.80	41.88	41.10	17.02	100.00	85.10	12.69	2.21
	2	5.20	102.22	41.47	42.47	16.06	100.00	85.91	9.51	4.58
	combined	5.17	100.25	41.65	41.87	16.48	100.00	85.55	10.91	3.54
4. south	1	4.46	95.06	38.61	43.82	17.57	100.00	86.36	10.33	3.31
	2	4.65	99.58	39.85	43.29	16.86	100.00	92.45	1.93	5.62
	combined	4.54	96.90	39.12	43.60	17.28	100.00	88.88	6.85	4.27
5. west	1	5.10	105.19	43.73	41.87	14.40	100.00	92.28	5.11	2.61
	2	5.10	100.27	42.37	42.22	15.41	100.00	93.90	4.28	1.82
	combined	5.10	102.49	43.00	42.06	14.94	100.00	93.16	4.66	2.18
6. all India (rural)	1	5.01	101.49	41.63	41.84	16.53	100.00	87.72	8.21	4.07
	2	5.08	104.48	41.34	42.26	16.40	100.00	89.25	6.75	4.00
	combined	5.04	103.04	41.47	42.07	16.46	100.00	88.52	7.45	4.03

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE Z(3.4.3): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES:
NSS 15TH ROUND, RURAL, THIRD SUB-ROUND (NOVEMBER 1959-JANUARY 1960)

zone	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	total	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. north	1	5.79	111.66	45.24	39.78	14.98	100.00	77.92	10.38	11.70
	2	5.72	111.35	42.90	41.53	15.57	100.00	85.95	6.17	7.88
	combined	5.76	111.50	44.07	40.65	15.28	100.00	81.95	8.27	9.78
2. central	1	5.01	104.27	40.05	42.61	17.34	100.00	93.14	6.82	0.04
	2	5.21	107.98	41.09	43.44	15.47	100.00	93.52	5.74	0.74
	combined	5.09	105.80	40.47	42.96	16.57	100.00	93.30	6.37	0.33
3. east	1	5.33	104.57	42.16	42.03	15.81	100.00	83.16	13.37	3.47
	2	5.24	103.42	40.68	43.22	16.10	100.00	82.54	10.27	7.19
	combined	5.29	104.05	41.50	42.56	15.94	100.00	82.88	11.98	5.14
4. south	1	4.67	98.79	39.49	43.26	17.25	100.00	88.45	2.41	9.14
	2	4.65	97.83	41.12	42.59	16.29	100.00	69.44	6.26	24.30
	combined	4.66	98.28	40.36	42.90	16.74	100.00	78.29	4.47	17.24
5. west	1	5.17	99.57	42.88	41.71	15.41	100.00	85.61	12.35	2.04
	2	5.22	102.02	42.38	41.79	15.83	100.00	93.14	1.48	5.38
	combined	5.19	100.54	42.68	41.74	15.58	100.00	88.64	7.98	3.38
6. all India (rural)	1	5.09	102.82	41.35	42.23	16.42	100.00	87.25	8.87	3.88
	2	5.09	103.38	41.34	42.75	15.91	100.00	83.58	6.39	10.03
	combined	5.09	103.08	41.35	42.47	16.18	100.00	85.58	7.74	6.68

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE Z(3.4.4): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES :
NSS 15TH ROUND, RURAL, FOURTH SUB-ROUND (JANUARY-MARCH 1960)

zone	sample	average household size	sex ratio ¹	percentage distribution of population by						
				age-group (years)				religion		
				0-14	15-44	45-above	total	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. north	1	5.36	110.72	42.47	40.85	16.68	100.00	85.44	4.24	10.32
	2	5.49	111.51	43.87	40.49	15.64	100.00	89.50	6.26	4.24
	combined	5.42	111.11	43.16	40.67	16.17	100.00	87.43	5.23	7.34
2. central	1	5.75	106.36	40.38	42.96	16.66	100.00	83.98	15.97	0.05
	2	5.02	106.91	40.44	43.00	16.56	100.00	91.67	8.11	0.22
	combined	5.09	106.61	40.40	42.98	16.62	100.00	87.46	12.41	0.13
3. east	1	5.43	104.34	42.48	42.77	14.75	100.00	85.91	12.80	1.20
	2	4.82	108.44	40.74	44.60	14.66	100.00	85.52	12.83	1.65
	combined	5.09	106.49	41.56	43.74	14.70	100.00	85.70	12.82	1.48
4. south	1	4.97	104.31	40.71	42.89	16.40	100.00	92.56	5.86	1.58
	2	4.66	99.01	39.90	42.97	17.13	100.00	84.72	5.47	9.81
	combined	4.79	101.35	40.26	42.94	16.80	100.00	88.24	5.64	6.12
5. west	1	5.41	101.25	42.55	41.46	15.99	100.00	90.51	7.81	1.68
	2	5.44	104.06	43.30	41.18	15.52	100.00	93.81	4.26	1.93
	combined	5.43	102.67	42.93	41.32	15.75	100.00	92.19	6.01	1.80
6. all India (rural)	1	5.26	105.06	41.59	42.44	15.97	100.00	86.98	11.09	1.93
	2	5.00	105.91	41.24	42.96	15.80	100.00	88.70	8.31	2.99
	combined	5.12	105.49	41.42	42.69	15.89	100.00	87.84	9.69	2.47

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE Z(3.4.5): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES: NSS 15TH ROUND, RURAL, FIFTH SUB-ROUND (MARCH-MAY 1960)

zone	sample	average household size	sex ratio ¹	percentage of population by						
				age-group (years)				religion		
				0-14	15-44	45-above	total	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. north	1	5.61	107.92	43.90	39.55	16.55	100.00	78.05	5.08	16.87
	2	5.63	111.34	43.60	40.87	15.53	100.00	78.05	5.52	16.43
	combined	5.62	109.57	43.74	40.20	16.06	100.00	78.05	5.29	16.66
2. central	1	5.14	105.94	42.38	42.14	15.48	100.00	90.22	8.90	0.88
	2	5.05	102.28	40.71	42.35	16.94	100.00	93.49	6.42	0.09
	combined	5.09	103.92	41.46	42.26	16.28	100.00	92.01	7.54	0.45
3. east	1	5.49	100.87	42.97	41.82	15.21	100.00	77.88	18.95	3.17
	2	5.36	99.32	41.51	42.73	15.76	100.00	77.56	7.24	15.20
	combined	5.44	100.20	42.33	42.21	15.46	100.00	77.74	13.90	8.36
4. south	1	4.58	97.64	39.19	43.02	17.79	100.00	93.77	4.83	1.40
	2	4.60	99.89	38.81	43.48	17.71	100.00	84.82	6.58	8.60
	combined	4.59	98.79	39.00	43.25	17.75	100.00	89.18	5.72	5.10
5. west	1	5.25	102.32	41.28	42.56	16.16	100.00	86.10	11.53	2.37
	2	5.37	100.23	43.01	41.64	15.35	100.00	93.11	5.06	1.83
	combined	5.32	101.19	42.21	42.07	15.72	100.00	89.84	8.07	2.09
6. all India (rural)	1	5.18	102.23	41.92	41.98	16.10	100.00	85.00	11.18	3.82
	2	5.12	101.63	41.19	42.40	16.41	100.00	85.90	6.32	7.78
	combined	5.15	101.93	41.56	42.19	16.25	100.00	85.45	8.76	5.79

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE Z(3.4.6): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES:
NSS 15TH ROUND, RURAL: SIXTH SUB-ROUND (MAY-JULY 1960)

zone	sample	average household size	sex ratio ¹	percentage of population by						
				age-group (years)				religion		
				0-14	15-44	45-above	total	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. north	1	5.59	110.72	44.68	40.82	14.50	100.00	86.86	6.18	6.96
	2	5.54	114.40	43.09	41.91	15.00	100.00	72.33	12.02	15.65
	combined	5.57	112.41	43.94	41.32	14.74	100.00	80.12	8.89	10.99
2. central	1	5.48	107.08	40.36	42.61	17.03	100.00	92.15	7.78	0.07
	2	5.09	104.11	39.24	43.71	17.05	100.00	88.57	11.43	—
	combined	5.26	105.44	39.75	43.21	17.04	100.00	90.19	9.78	0.03
3. east	1	5.92	98.10	43.24	41.65	15.11	100.00	80.97	12.12	6.91
	2	5.17	101.06	42.15	42.02	15.83	100.00	84.22	7.41	8.37
	combined	5.47	99.78	42.62	41.86	15.52	100.00	82.82	9.43	7.75
4. south	1	4.86	101.95	40.13	43.33	16.54	100.00	89.10	5.14	5.76
	2	5.34	99.06	39.20	43.45	17.35	100.00	87.08	7.05	5.87
	combined	4.73	101.41	39.63	43.40	16.97	100.00	88.03	6.16	5.81
5. west	1	5.51	102.03	43.10	41.13	15.77	100.00	94.22	1.91	3.87
	2	5.43	103.23	43.83	41.52	14.65	100.00	84.48	8.64	6.88
	combined	5.47	102.62	43.46	41.32	15.22	100.00	89.44	5.21	5.35
6. all India (rural)	1	5.44	103.29	42.01	42.06	15.93	100.00	88.36	7.20	4.44
	2	5.89	102.93	41.07	42.69	16.24	100.00	84.92	9.02	6.06
	combined	5.25	103.09	41.52	42.39	16.09	100.00	86.53	8.17	5.30

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.1): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES :
NSS 15TH ROUND, RURAL, FIRST SUB-ROUND (JULY-SEPTEMBER 1959)

state	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Andhra Pradesh	1	4.58	105.11	39.18	43.37	17.45	100.00	91.93	5.78	2.29
	2	4.65	101.03	40.47	43.26	16.27	100.00	93.13	5.67	1.20
	combined	4.63	102.48	40.00	43.30	16.70	100.00	92.69	5.71	1.60
2. Assam	1	5.62	106.36	47.68	39.65	12.67	100.00	53.65	35.76	10.59
	2	4.70	112.05	44.59	43.94	11.47	100.00	100.00	—	—
	combined	4.94	110.33	45.51	42.67	11.82	100.00	86.26	10.60	3.14
3. Bihar	1	5.63	100.77	41.55	41.72	16.73	100.00	81.63	15.18	3.19
	2	5.63	102.39	40.84	41.66	17.50	100.00	94.78	5.22	—
	combined	5.63	101.66	41.15	41.70	17.15	100.00	88.88	9.69	1.43
4. Gujarat	1	5.59	107.72	43.90	41.82	14.28	100.00	97.16	1.94	0.90
	2	5.25	105.84	42.67	42.50	14.83	100.00	93.22	3.95	2.83
	combined	5.35	106.41	43.04	42.30	14.66	100.00	94.41	3.34	2.25
5. Jammu and Kashmir	1	5.46	112.89	39.61	45.69	14.70	100.00	24.25	68.00	7.75
	2	5.94	112.16	36.44	50.20	13.36	100.00	17.92	80.11	1.97
	combined	5.73	112.46	37.74	48.35	13.91	100.00	20.50	75.17	4.33
6. Kerala	1	5.33	95.37	41.68	39.65	18.67	100.00	72.96	4.24	22.80
	2	5.42	86.38	45.16	39.93	14.91	100.00	63.70	25.37	10.93
	combined	5.38	90.45	43.55	39.80	16.65	100.00	68.00	15.56	16.44
7. Madhya Pradesh	1	5.02	103.80	40.86	43.78	15.36	100.00	98.04	1.59	0.37
	2	5.05	109.90	40.65	44.08	15.27	100.00	93.17	3.77	3.06
	combined	5.03	105.82	40.79	43.88	15.33	100.00	96.40	2.32	1.28
8. Madras	1	4.38	98.59	37.98	43.81	18.21	100.00	88.36	10.40	1.24
	2	4.08	97.56	36.80	44.48	18.72	100.00	99.22	0.06	0.72
	combined	4.25	98.16	37.50	44.08	18.42	100.00	92.86	6.11	1.03

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.1) (Contd) : AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES :
NSS 15TH ROUND, RURAL, FIRST SUB-ROUND (JULY-SEPTEMBER 1959)

state	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
9. Maharashtra	1	5.00	105.80	40.93	42.87	16.20	100.00	90.55	3.57	5.88
	2	4.76	96.06	42.02	42.01	15.97	100.00	94.78	1.91	3.31
	combined	4.91	101.98	41.35	42.54	16.11	100.00	92.16	2.94	4.90
10. Mysore	1	5.35	100.41	43.10	40.31	16.59	100.00	91.91	7.93	0.16
	2	4.81	104.39	39.14	44.74	16.12	100.00	96.56	3.31	0.13
	combined	5.04	102.55	40.94	42.72	16.34	100.00	94.44	5.41	0.15
11. Orissa	1	4.76	103.55	39.41	43.00	17.59	100.00	100.00	—	—
	2	5.00	100.28	40.45	42.46	17.09	100.00	85.53	14.47	—
	combined	4.87	102.05	39.88	42.75	17.37	100.00	93.41	6.59	—
12. Punjab	1	6.04	116.63	45.06	38.67	16.27	100.00	52.98	13.15	33.87
	2	5.39	107.92	40.52	40.80	18.68	100.00	81.38	0.06	18.56
	combined	5.79	113.38	43.41	39.44	17.15	100.00	63.30	8.39	28.31
13. Rajasthan	1	5.65	107.21	42.51	43.16	14.33	100.00	96.32	3.68	—
	2	5.36	108.59	41.54	42.81	15.65	100.00	92.54	4.92	2.54
	combined	5.50	107.91	42.01	42.99	15.00	100.00	94.38	4.32	1.30
14. Uttar Pradesh	1	5.04	108.31	39.88	42.53	17.59	100.00	94.43	5.57	—
	2	5.04	110.26	39.77	42.00	18.23	100.00	90.27	9.55	0.18
	combined	5.04	109.33	39.82	42.26	17.92	100.00	92.26	7.65	0.09
15. West Bengal	1	5.34	105.41	41.34	43.94	14.72	100.00	88.62	11.38	—
	2	6.76	108.20	42.81	42.76	14.43	100.00	63.67	34.32	2.01
	combined	6.19	107.22	42.15	43.29	14.56	100.00	74.71	24.17	1.12
16. all India (rural)	1	5.07	104.33	40.85	42.55	16.60	100.00	89.29	7.47	3.24
	2	5.07	104.21	40.69	42.82	16.49	100.00	90.03	8.32	1.65
	combined	5.07	104.27	40.76	42.69	16.55	100.00	89.67	7.90	2.43

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.2) : AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES :
NSS 15TH ROUND, RURAL, SECOND SUB-ROUND (SEPTEMBER-NOVEMBER 1959)

state	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Andhra Pradesh	1	4.44	98.09	38.01	44.98	17.01	100.00	93.73	4.34	1.93
	2	4.63	99.91	40.81	43.01	16.18	100.00	97.84	0.72	1.44
	combined	4.51	98.78	39.08	44.22	16.70	100.00	95.31	2.95	1.74
2. Assam	1	5.16	115.54	42.77	43.79	13.44	100.00	47.52	52.48	—
	2	4.95	110.09	44.08	43.65	12.27	100.00	33.50	19.71	46.79
	combined	5.05	112.70	43.45	43.71	12.84	100.00	40.31	35.63	24.06
3. Bihar	1	5.38	93.68	44.25	39.52	16.23	100.00	86.12	10.10	3.78
	2	5.36	101.42	42.87	41.99	15.14	100.00	90.28	7.98	1.74
	combined	5.37	98.46	43.38	41.07	15.55	100.00	88.73	8.77	2.50
4. Gujarat	1	4.99	106.22	44.05	43.01	12.94	100.00	92.57	7.43	—
	2	5.52	105.04	42.53	41.94	15.53	100.00	98.53	1.44	0.03
	combined	5.24	105.62	43.28	42.47	14.25	100.00	95.60	4.38	0.02
5. Jammu and Kashmir	1	5.64	116.16	38.69	46.80	14.51	100.00	35.49	64.50	0.01
	2	5.85	121.66	39.54	46.90	13.56	100.00	70.57	69.17	0.26
	combined	5.78	119.71	39.25	46.86	13.89	100.00	32.29	67.54	0.17
6. Kerala	1	5.71	89.84	44.90	40.63	14.47	100.00	39.11	47.30	13.59
	2	5.41	95.27	41.63	41.02	17.35	100.00	67.20	3.97	28.83
	combined	5.56	92.41	43.33	40.82	15.85	100.00	52.60	26.49	20.91
7. Madhya Pradesh	1	4.91	106.17	41.35	42.48	16.17	100.00	94.86	2.39	2.75
	2	4.76	102.91	41.66	43.25	15.09	100.00	95.64	3.57	0.79
	combined	4.83	104.42	41.51	42.89	15.60	100.00	95.28	3.02	1.70
8. Madras	1	4.13	92.45	37.17	43.23	19.60	100.00	92.74	5.68	1.58
	2	4.39	101.20	37.80	44.68	17.52	100.00	97.20	2.54	0.26
	combined	4.24	96.12	37.44	43.85	18.71	100.00	94.66	4.33	1.01

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.2)(Contd.): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SCHEMES: NSS 15TH ROUND, RURAL, SECOND SUB-ROUND (SEPTEMBER-NOVEMBER 1959)

state	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
9. Maharashtra	1	4.97	103.88	42.93	42.09	14.98	100.00	90.59	4.08	5.33
	2	4.91	99.17	42.88	41.93	15.19	100.00	92.03	5.42	2.55
	combined	4.94	101.02	42.90	42.00	15.10	100.00	91.45	4.89	3.65
10. Mysore	1	5.43	105.87	44.48	40.30	15.22	100.00	94.28	3.95	1.77
	2	5.07	97.01	41.05	43.21	15.74	100.00	92.34	5.27	2.39
	combined	5.25	101.53	42.84	41.69	15.47	100.00	93.35	4.58	2.07
11. Orissa	1	4.56	91.52	38.38	41.70	19.92	100.00	100.00	—	—
	2	4.68	98.26	39.85	40.57	19.58	100.00	100.00	—	—
	combined	4.62	94.73	39.09	41.15	19.76	100.00	100.00	—	—
12. Punjab	1	6.05	115.84	45.85	38.98	15.17	100.00	77.49	0.13	22.38
	2	5.27	112.73	41.74	39.18	19.08	100.00	70.98	0.11	28.91
	combined	5.70	114.48	44.12	39.06	16.82	100.00	74.75	0.12	25.13
13. Rajasthan	1	5.44	99.03	44.55	39.36	16.09	100.00	88.60	2.75	8.65
	2	5.16	113.18	43.46	41.36	15.18	100.00	91.13	3.66	5.21
	combined	5.32	104.36	44.12	40.14	15.74	100.00	89.59	3.11	7.30
14. Uttar Pradesh	1	5.18	108.73	40.58	42.00	17.42	100.00	91.56	8.10	0.34
	2	5.28	111.37	40.82	41.58	17.60	100.00	90.81	9.17	0.02
	combined	5.24	110.38	40.73	41.74	17.53	100.00	91.09	8.77	0.14
15. West Bengal	1	5.54	107.07	42.02	41.94	16.04	100.00	78.66	17.74	3.60
	2	5.50	105.06	39.23	44.65	16.12	100.00	81.78	17.69	0.53
	combined	5.52	105.94	40.45	43.47	16.08	100.00	80.41	17.71	1.88
16. all India (rural)	1	5.01	101.49	41.63	41.84	16.53	100.00	87.72	8.21	4.07
	2	5.08	104.48	41.34	42.26	16.40	100.00	89.25	6.75	4.00
	combined	5.04	103.04	41.47	42.07	16.46	100.00	88.52	7.45	4.03

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.3) : AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES : NSS 15TH ROUND, RURAL, THIRD SUB-ROUND (NOVEMBER 1959-JANUARY 1960)

state	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Andhra Pradesh	1	4.52	103.66	38.93	44.30	16.77	100.00	91.99	2.69	5.32
	2	4.67	104.05	41.42	42.90	15.68	100.00	93.88	2.16	3.96
	combined	4.59	103.85	40.12	43.63	16.25	100.00	92.90	2.43	4.67
2. Assam	1	6.51	109.18	46.49	41.76	11.75	100.00	55.85	33.04	11.11
	2	5.33	109.77	44.87	45.95	9.18	100.00	45.93	17.70	36.37
	combined	5.88	109.47	45.70	43.82	10.48	100.00	50.99	25.53	23.48
3. Bihar	1	5.31	104.83	41.66	40.66	17.68	100.00	92.89	7.11	—
	2	5.36	101.73	40.01	43.21	16.78	100.00	88.15	8.74	3.11
	combined	5.34	103.25	40.82	41.95	17.23	100.00	90.50	7.93	1.57
4. Gujarat	1	4.89	93.05	43.22	41.54	15.24	100.00	95.30	4.70	—
	2	5.96	99.08	44.55	41.79	13.66	100.00	98.46	1.54	—
	combined	5.23	95.20	43.70	41.63	14.67	100.00	96.45	3.55	—
5. Jammu and Kashmir	1	5.79	113.69	40.37	44.60	15.03	100.00	44.22	55.61	0.17
	2	5.57	118.53	38.52	47.37	14.11	100.00	30.39	69.37	0.24
	combined	5.68	116.16	39.43	46.02	14.55	100.00	37.08	62.71	0.21
6. Kerala	1	5.47	94.53	46.16	38.66	15.18	100.00	54.19	3.35	42.46
	2	5.65	90.29	43.28	39.83	16.89	100.00	43.09	20.70	36.21
	combined	5.59	91.78	44.30	39.42	16.28	100.00	47.04	14.53	38.43
7. Madhya Pradesh	1	4.88	102.40	40.67	43.92	15.41	100.00	99.93	0.07	—
	2	5.42	104.55	42.67	44.07	13.26	100.00	97.62	0.23	2.15
	combined	5.12	103.41	41.61	43.99	14.40	100.00	98.84	0.15	1.01
8. Madras	1	4.61	96.04	38.07	43.68	18.25	100.00	95.17	1.91	2.92
	2	4.29	97.24	39.95	43.60	16.45	100.00	64.63	2.59	32.78
	combined	4.43	96.68	39.07	43.64	17.29	100.00	78.85	2.27	18.88

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.3)(Contd.): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES : NSS 15TH ROUND, RURAL, THIRD SUB-ROUND (NOVEMBER 1959-JANUARY 1960)

state	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
9. Maharashtra	1	5.23	100.81	42.59	41.71	15.70	100.00	81.61	15.09	3.30
	2	5.09	100.95	42.00	41.16	16.84	100.00	89.95	1.06	8.99
	combined	5.17	100.86	42.36	41.49	16.15	100.00	84.97	9.44	5.59
10. Mysore	1	5.39	104.09	43.28	41.93	14.79	100.00	85.42	13.67	0.91
	2	5.02	107.25	41.41	43.30	15.29	100.00	96.28	2.43	1.29
	combined	5.22	105.47	42.45	42.54	15.01	100.00	90.18	8.74	1.08
11. Orissa	1	5.31	98.49	42.02	43.80	14.18	100.00	95.95	0.46	3.59
	2	4.47	103.95	39.14	43.73	17.13	100.00	83.15	2.90	13.95
	combined	4.93	100.69	40.84	43.78	15.38	100.00	90.71	1.46	7.83
12. Punjab	1	5.78	112.27	46.41	38.68	14.91	100.00	65.44	—	34.56
	2	5.92	115.43	45.81	38.00	16.19	100.00	76.43	0.23	23.34
	combined	5.84	113.84	46.11	38.34	15.55	100.00	79.93	0.12	28.95
13. Rajasthan	1	5.68	113.63	44.77	40.16	15.07	100.00	88.01	11.99	—
	2	5.51	108.03	41.91	42.44	15.65	100.00	100.00	—	—
	combined	5.58	110.56	43.21	41.40	15.39	100.00	94.50	5.50	—
14. Uttar Pradesh	1	5.07	104.96	39.82	42.14	18.04	100.00	90.70	9.25	0.05
	2	5.11	109.76	40.29	43.12	16.59	100.00	91.45	8.52	0.03
	combined	5.08	106.81	40.00	42.53	17.47	100.00	90.99	8.97	0.04
15. West Bengal	1	5.14	105.58	42.31	43.37	14.32	100.00	66.95	25.48	7.57
	2	5.29	105.10	41.74	41.85	16.41	100.00	82.49	16.31	1.20
	combined	5.19	105.41	42.11	42.82	15.07	100.00	72.49	22.21	5.30
16. all India (rural)	1	5.09	102.82	41.35	42.23	16.42	100.00	87.25	8.87	3.88
	2	5.09	103.38	41.34	42.75	15.91	100.00	83.58	6.39	10.03
	combined	5.09	103.08	41.35	42.47	16.18	100.00	85.58	7.74	6.68

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.4): AVERAGE HOUSEHOLD SIZE, SEX-RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES: NSS 15TH ROUND, RURAL, FOURTH SUB-ROUND (JANUARY-MARCH 1960)

state	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Andhra Pradesh	1	4.75	107.33	39.72	44.25	16.03	100.00	93.07	4.45	1.58
	2	4.60	105.79	40.80	43.56	15.64	100.00	98.04	1.56	0.40
	combined	4.67	106.54	40.27	43.90	15.83	100.00	96.05	2.98	0.97
2. Assam	1	5.97	109.03	45.83	43.40	10.77	100.00	76.42	9.98	13.60
	2	5.80	112.33	47.06	39.55	13.39	100.00	61.13	35.49	3.38
	combined	5.88	110.65	46.44	41.49	12.07	100.00	68.84	22.63	8.53
3. Bihar	1	5.83	98.87	43.00	41.58	15.42	100.00	93.68	6.32	—
	2	5.92	101.24	42.48	42.74	14.78	100.00	83.11	14.08	2.81
	combined	5.87	100.01	42.76	42.14	15.10	100.00	88.55	10.08	1.37
4. Gujarat	1	6.15	101.81	45.94	39.74	14.32	100.00	97.13	1.97	0.90
	2	5.62	100.45	47.13	39.73	13.14	100.00	98.59	1.41	—
	combined	5.93	101.27	46.41	39.74	13.85	100.00	97.71	1.75	0.54
5. Jammu and Kashmir	1	5.39	111.73	39.19	43.98	16.83	100.00	64.55	35.23	0.22
	2	5.92	113.44	39.05	46.28	14.67	100.00	32.44	67.46	0.10
	combined	5.66	112.66	39.11	45.23	15.66	100.00	47.09	52.76	0.15
6. Kerala	1	5.75	102.58	44.21	39.91	15.88	100.00	86.76	12.26	0.98
	2	5.61	91.73	42.15	41.05	16.80	100.00	52.22	11.70	36.08
	combined	5.69	97.72	43.32	40.41	16.27	100.00	71.75	12.02	16.23
7. Madhya Pradesh	1	5.02	103.04	40.15	44.11	15.74	100.00	99.71	0.24	0.05
	2	4.73	105.12	40.61	43.91	15.48	100.00	98.35	1.18	0.47
	combined	4.88	104.00	40.36	44.03	15.61	100.00	99.07	0.68	0.25
8. Madras	1	4.56	101.46	38.13	44.24	17.63	100.00	97.18	0.50	2.32
	2	4.38	96.86	38.13	43.33	18.54	100.00	87.95	5.99	6.06
	combined	4.44	98.33	38.13	43.62	18.25	100.00	90.94	4.21	4.85

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.4) (Contd.): AVERAGE HOUSEHOLD SIZE, SEX RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES: NSS 15TH ROUND, RURAL, FOURTH SUB-ROUND (JANUARY-MARCH 1960)

state	sample	average household size	sex ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
9. Maharashtra	1	4.86	99.57	40.45	42.35	17.20	100.00	83.85	13.64	2.51
	2	5.21	106.98	42.01	42.45	15.54	100.00	92.58	4.94	2.48
	combined	5.06	103.96	41.39	42.41	16.20	100.00	89.09	8.41	2.50
10. Mysore	1	5.62	102.34	42.70	41.51	15.79	100.00	92.81	5.81	1.38
	2	5.76	101.27	43.80	39.87	16.33	100.00	93.90	4.30	1.80
	combined	5.68	101.85	43.19	40.77	16.04	100.00	93.31	5.12	1.57
11. Orissa	1	4.85	94.44	39.46	43.54	17.00	100.00	100.00	—	—
	2	4.60	101.40	37.95	44.47	17.58	100.00	99.88	—	0.12
	combined	4.67	99.26	38.40	44.20	17.40	100.00	99.92	—	0.08
12. Punjab	1	5.66	107.94	44.25	36.99	18.76	100.00	60.48	0.37	39.15
	2	5.73	113.74	44.23	39.22	16.55	100.00	90.48	0.62	8.90
	combined	5.70	111.51	44.24	38.38	17.38	100.00	79.11	0.52	20.37
13. Rajasthan	1	5.31	111.07	42.41	41.60	15.99	100.00	93.24	2.41	4.35
	2	5.44	112.68	44.82	39.97	15.21	100.00	96.71	0.65	2.64
	combined	5.36	111.74	43.41	40.92	15.67	100.00	94.69	1.67	3.64
14. Uttar Pradesh	1	5.20	107.66	40.46	42.52	17.02	100.00	77.93	22.01	0.06
	2	5.15	107.67	40.36	42.62	17.02	100.00	88.88	11.00	0.12
	combined	5.18	107.67	40.41	42.57	17.02	100.00	82.82	17.09	0.09
15. West Bengal	1	4.91	114.58	40.80	44.42	14.78	100.00	84.99	14.65	0.36
	2	3.78	123.67	37.95	48.85	13.20	100.00	91.03	7.98	0.99
	combined	4.28	119.00	39.39	46.61	14.00	100.00	87.99	11.34	0.67
16. all India (rural)	1	5.26	105.06	41.59	42.44	15.97	100.00	86.98	11.09	1.93
	2	5.00	105.91	41.24	42.96	15.80	100.00	88.70	8.31	2.99
	combined	5.12	105.49	41.42	42.69	15.89	100.00	87.84	9.69	2.47

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.5) : AVERAGE HOUSEHOLD SIZE, SEX RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES : NSS 15TH ROUND, RURAL, FIFTH SUB-ROUND (MARCH-MAY 1960)

state	sample	average household size	sex-ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Andhra Pradesh	1	4.79	103.17	40.83	43.68	15.49	100.00	89.03	10.49	0.48
	2	4.58	103.53	39.20	43.93	16.87	100.00	86.10	7.44	6.46
	combined	4.66	103.39	39.87	43.82	16.31	100.00	87.30	8.69	4.01
2. Assam	1	6.76	105.38	47.18	42.73	10.09	100.00	92.19	7.29	0.52
	2	5.06	90.42	45.08	43.03	11.89	100.00	14.81	14.80	70.39
	combined	5.76	97.39	46.09	42.89	11.02	100.00	52.32	11.16	36.52
3. Bihar	1	5.29	96.28	42.38	40.40	17.22	100.00	90.99	4.96	4.05
	2	5.65	101.49	40.91	42.46	16.63	100.00	88.49	5.67	5.84
	combined	5.48	99.13	41.56	41.55	16.89	100.00	89.61	5.35	5.04
4. Gujarat	1	5.71	106.40	44.12	41.43	14.45	100.00	95.88	3.21	0.91
	2	5.58	100.46	44.45	41.20	14.35	100.00	88.64	11.36	—
	combined	5.63	102.82	44.32	41.29	14.39	100.00	91.56	8.07	0.37
5. Jammu and Kashmir	1	5.40	112.68	39.65	46.19	14.16	100.00	44.72	52.86	2.42
	2	5.54	114.54	37.91	48.33	13.76	100.00	22.98	76.06	0.96
	combined	5.47	113.57	38.81	47.22	13.97	100.00	34.28	64.00	1.72
6. Kerala	1	5.81	97.16	42.62	40.31	17.07	100.00	82.36	9.68	7.96
	2	5.40	96.80	43.11	38.87	18.02	100.00	60.38	13.48	26.14
	combined	5.58	96.96	42.70	39.52	17.78	100.00	70.05	11.81	18.14
7. Madhya Pradesh	1	4.93	102.31	42.70	42.75	14.55	100.00	96.59	1.01	2.40
	2	4.90	103.17	39.28	45.71	15.01	100.00	99.58	0.16	0.26
	combined	4.92	102.70	41.13	44.11	14.76	100.00	97.96	0.62	1.42
8. Madras	1	4.28	93.93	37.40	43.10	19.50	100.00	98.62	0.59	0.79
	2	4.40	95.92	36.81	44.37	18.82	100.00	91.25	3.01	5.74
	combined	4.33	94.77	37.16	43.63	19.21	100.00	95.49	1.62	2.89

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.5)(Contd.): AVERAGE HOUSEHOLD SIZE, SEX RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES: NSS 15TH ROUND, RURAL, FIFTH SUB-ROUND (MARCH-MAY 1960)

state	sample	average household size	sex-ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
9. Maharashtra	1	5.10	100.49	40.01	43.29	16.70	100.00	80.45	16.22	3.33
	2	5.23	98.08	41.71	42.27	16.02	100.00	95.12	2.32	2.56
	combined	5.15	99.37	40.80	42.82	16.38	100.00	87.25	9.77	2.98
10. Mysore	1	5.28	103.78	42.21	41.28	16.51	100.00	94.06	5.18	0.76
	2	5.43	104.10	43.76	40.98	15.26	100.00	94.54	2.83	2.63
	combined	5.38	103.98	43.20	41.09	15.71	100.00	94.36	3.68	1.96
11. Orissa	1	4.85	100.66	37.93	44.49	17.58	100.00	100.00	—	—
	2	4.75	95.76	36.19	44.19	19.62	100.00	99.94	0.06	—
	combined	4.81	98.66	37.23	44.36	18.41	100.00	99.98	0.02	—
12. Punjab	1	5.95	117.84	44.30	37.18	18.52	100.00	43.36	0.80	55.84
	2	5.77	113.71	44.72	38.30	16.98	100.00	55.49	—	44.51
	combined	5.86	115.62	44.53	37.78	17.69	100.00	49.84	0.37	49.79
13. Rajasthan	1	5.24	108.59	43.34	40.67	15.99	100.00	99.79	0.21	—
	2	5.57	109.52	43.67	41.58	14.75	100.00	99.08	0.54	0.38
	combined	5.41	109.08	43.51	41.14	15.35	100.00	99.42	0.38	0.20
14. Uttar Pradesh	1	5.26	108.09	42.19	41.80	16.01	100.00	86.55	13.45	—
	2	5.10	101.98	41.20	41.19	17.61	100.00	91.39	8.59	0.02
	combined	5.17	104.46	41.62	41.44	16.94	100.00	89.40	10.59	0.01
15. West Bengal	1	5.64	103.55	45.07	41.53	13.40	100.00	46.66	50.80	2.54
	2	5.54	104.93	43.70	41.96	14.34	100.00	90.52	9.48	—
	combined	5.61	104.00	44.62	41.67	13.71	100.00	60.96	37.33	1.71
16. all India (rural)	1	5.18	102.23	41.92	41.98	16.10	100.00	85.00	11.18	3.82
	2	5.12	101.63	41.19	42.40	16.41	100.00	85.90	6.32	7.78
	combined	5.15	101.93	41.56	42.19	16.25	100.00	85.45	8.76	5.79

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.6) : AVERAGE HOUSEHOLD SIZE, SEX RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES : NSS 15TH ROUND, RURAL, SIXTH SUB-ROUND (MAY-JULY 1960)

state	sample	average household size	sex-ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Andhra Pradesh	1	4.77	104.55	39.52	43.45	17.03	100.00	96.05	2.54	1.41
	2	4.47	101.02	38.85	44.64	16.51	100.00	90.21	6.69	3.10
	combined	4.63	103.02	39.24	43.95	16.81	100.00	93.53	4.33	2.14
2. Assam	1	5.07	101.51	47.00	41.89	11.11	100.00	71.83	1.21	26.96
	2	5.71	104.98	48.69	40.16	11.15	100.00	65.33	8.28	26.39
	combined	5.40	103.40	47.93	40.94	11.13	100.00	68.27	5.09	26.64
3. Bihar	1	5.57	94.14	40.27	41.39	18.34	100.00	86.77	10.11	3.12
	2	5.52	99.62	41.22	41.36	17.42	100.00	83.85	7.54	8.61
	combined	5.54	97.43	40.85	41.36	17.79	100.00	85.00	8.55	6.45
4. Gujarat	1	5.64	105.44	44.38	40.85	14.77	100.00	98.83	0.96	0.21
	2	4.65	104.33	45.01	41.90	13.09	100.00	93.92	5.92	0.16
	combined	5.04	104.82	44.74	41.44	13.82	100.00	96.08	3.74	0.18
5. Jammu and Kashmir	1	6.17	113.56	40.83	46.36	12.81	100.00	29.78	70.13	0.09
	2	6.05	120.80	39.30	47.10	13.60	100.00	20.90	79.10	—
	combined	6.10	117.32	40.03	46.74	13.23	100.00	25.10	74.86	0.04
6. Kerala	1	5.74	95.87	42.78	41.54	15.68	100.00	73.62	15.16	11.22
	2	5.65	88.01	41.00	41.01	17.99	100.00	64.44	21.32	14.24
	combined	5.70	92.15	41.96	41.29	16.75	100.00	69.36	18.02	12.62
7. Madhya Pradesh	1	4.96	100.45	41.17	43.17	15.66	100.00	99.67	0.13	0.20
	2	4.94	103.87	39.44	44.69	15.87	100.00	100.00	—	—
	combined	4.95	101.95	40.40	43.85	15.75	100.00	99.82	0.07	0.11
8. Madras	1	4.49	101.77	39.28	44.47	16.25	100.00	87.53	2.57	9.90
	2	4.47	101.48	38.85	43.40	17.75	100.00	92.15	2.70	5.15
	combined	4.48	101.58	39.00	43.75	17.25	100.00	90.62	2.66	6.72

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE S(3.4.6)(Contd.): AVERAGE HOUSEHOLD SIZE, SEX RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES: NSS 15TH ROUND, RURAL, SIXTH SUB-ROUND (MAY-JULY 1960)

state	sample	average household size	sex-ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
9. Maharashtra	1	5.42	98.42	42.20	40.87	16.93	100.00	89.96	2.38	7.66
	2	6.35	100.97	42.73	40.68	16.59	100.00	85.85	2.42	11.73
	combined	5.76	99.44	42.42	40.79	16.79	100.00	88.30	2.39	9.31
10. Mysore	1	5.56	105.99	43.28	42.18	14.54	100.00	98.02	1.98	—
	2	5.70	104.71	43.61	42.07	14.32	100.00	69.27	20.72	10.01
	combined	5.63	105.31	43.46	42.12	14.42	100.00	82.71	11.96	5.33
11 Orissa	1	4.77	99.54	42.28	43.49	14.23	100.00	95.91	0.51	3.58
	2	4.49	99.02	39.40	43.91	16.69	100.00	98.47	1.22	0.31
	combined	4.57	99.19	40.33	43.77	15.90	100.00	97.64	0.99	1.37
12. Punjab	1	5.83	112.73	46.00	39.20	14.80	100.00	87.64	—	12.36
	2	5.42	114.96	43.46	40.84	15.70	100.00	61.92	3.08	35.00
	combined	5.65	113.65	44.94	39.89	15.17	100.00	76.88	1.29	21.83
13. Rajasthan	1	5.17	107.95	43.40	41.93	14.67	100.00	98.19	0.96	0.85
	2	5.57	111.19	44.07	41.70	14.23	100.00	94.90	5.10	—
	combined	5.36	109.54	43.73	41.82	14.45	100.00	96.56	3.01	0.43
14. Uttar Pradesh	1	5.80	110.68	39.94	42.31	17.75	100.00	88.27	11.73	—
	2	5.13	104.18	39.19	43.43	17.38	100.00	85.26	14.74	—
	combined	5.39	106.82	39.50	42.96	17.54	100.00	86.50	13.50	—
15. West Bengal	1	5.24	99.95	44.84	40.62	14.54	100.00	72.59	27.41	—
	2	5.25	104.04	42.67	42.20	15.13	100.00	79.53	16.19	4.28
	combined	5.25	101.68	43.90	41.30	14.80	100.00	75.57	22.60	1.83
16. all India (rural)	1	5.46	103.28	42.01	42.06	15.93	100.00	88.36	7.20	4.44
	2	5.09	102.93	41.07	42.69	16.24	100.00	84.92	9.02	6.06
	combined	5.25	103.09	41.52	42.39	16.09	100.00	86.54	8.16	5.30

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE (3.4.C): AVERAGE HOUSEHOLD SIZE, SEX RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES SIX SUB-ROUNDS
COMBINED: NSS 15TH ROUND, RURAL

state	sample	average household size	sex-ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Andhra Pradesh	1	4.62	102.96	39.22	44.10	16.68	100.00	92.97	4.82	2.21
	2	4.60	102.46	40.21	43.54	16.25	100.00	92.71	4.34	2.95
	combined	4.61	102.71	39.72	43.82	16.46	100.00	92.84	4.58	2.58
2. Assam	1	5.78	106.89	46.27	42.37	11.36	100.00	70.49	18.35	11.16
	2	5.23	104.89	45.99	42.39	11.62	100.00	54.81	13.92	31.26
	combined	5.46	105.79	46.12	42.38	11.50	100.00	61.93	15.94	22.13
3. Bihar	1	5.76	98.77	42.21	40.94	16.85	100.00	89.18	8.81	2.01
	2	5.56	101.35	41.42	42.25	16.33	100.00	88.29	8.25	3.46
	combined	5.65	100.18	41.78	41.66	16.56	100.00	88.69	8.51	2.80
4. Gujarat	1	5.37	102.56	44.21	41.50	14.29	100.00	95.80	3.83	0.37
	2	5.33	103.02	44.09	41.67	14.24	100.00	94.75	4.72	0.53
	combined	5.35	102.80	44.15	41.59	14.26	100.00	95.25	4.29	0.46
5. Jammu and Kashmir	1	5.64	113.29	39.81	45.61	14.58	100.00	40.03	58.03	1.94
	2	5.83	116.71	38.41	47.80	13.79	100.00	23.59	74.06	0.65
	combined	5.74	115.17	39.03	46.81	14.16	100.00	31.89	66.88	1.23
6. Kerala	1	5.64	96.28	43.79	40.15	16.06	100.00	69.13	15.50	15.37
	2	5.54	90.97	42.80	40.28	16.92	100.00	56.67	16.88	26.45
	combined	5.59	93.48	43.27	40.22	16.51	100.00	62.65	16.22	21.13
7. Madhya Pradesh	1	4.96	103.00	41.08	43.45	15.47	100.00	98.28	0.90	0.82
	2	4.96	104.84	40.82	44.24	14.94	100.00	97.38	1.49	1.13
	combined	4.96	103.82	40.97	43.80	15.23	100.00	97.88	1.16	0.96
8. Madras	1	4.39	96.41	37.88	43.63	18.49	100.00	93.61	3.80	2.59
	2	4.34	98.32	38.31	43.87	17.82	100.00	86.20	2.90	10.90
	combined	4.36	97.40	38.10	43.76	18.14	100.00	89.78	3.33	6.89

¹ males per 100 females.

² religions other than Hinduism and Islam.

TABLE (3.4.C)(Contd) : AVERAGE HOUSEHOLD SIZE, SEX RATIO AND PERCENTAGE DISTRIBUTION OF POPULATION BY AGE-GROUP AND RELIGION IN THE STATES FROM TWO INTERPENETRATING SAMPLES, SIX SUB-ROUNDS
COMBINED : NSS 15TH ROUND, RURAL

state	sample	average household size	sex-ratio ¹	percentage of population						
				age-group (years)				religion		
				0-14	15-44	45-above	all	Hinduism	Islam	others ²
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
9. Maharashtra	1	5.10	101.67	41.53	42.24	16.23	100.00	85.84	9.55	4.61
	2	5.15	100.55	42.22	41.84	15.94	100.00	92.03	3.25	4.72
	combined	5.12	101.14	41.87	42.04	16.09	100.00	88.78	6.56	4.66
10. Mysore	1	5.46	103.40	43.19	41.21	15.60	100.00	92.47	6.59	0.94
	2	5.27	102.79	42.04	42.31	15.65	100.00	91.41	5.93	2.66
	combined	5.36	103.09	42.61	41.76	15.63	100.00	91.93	6.26	1.81
11. Orissa	1	4.80	97.51	39.64	43.20	17.16	100.00	98.80	0.14	1.06
	2	4.63	99.42	38.93	43.15	17.92	100.00	96.57	2.14	1.29
	combined	4.71	98.53	39.27	43.17	17.56	100.00	97.61	1.21	1.18
12. Punjab	1	5.91	114.31	45.49	38.52	15.99	100.00	69.25	1.70	29.05
	2	5.56	113.51	43.53	39.32	17.15	100.00	70.60	0.80	28.60
	combined	5.74	113.94	44.57	38.90	16.53	100.00	69.88	1.28	28.84
13. Rajasthan	1	5.39	106.99	43.47	40.98	15.55	100.00	93.61	3.15	3.24
	2	5.43	110.63	43.33	41.56	15.11	100.00	95.79	2.31	1.90
	combined	5.41	108.68	43.41	41.25	15.34	100.00	94.64	2.75	2.61
14. Uttar Pradesh	1	5.22	107.75	40.36	42.26	17.38	100.00	87.87	12.06	0.07
	2	5.14	107.58	40.26	42.30	17.44	100.00	89.59	10.35	0.06
	combined	5.18	107.66	40.31	42.27	17.42	100.00	88.77	11.17	0.06
15. West Bengal	1	5.27	106.34	42.87	42.63	14.50	100.00	70.40	27.03	2.57
	2	5.02	109.95	40.98	44.31	14.71	100.00	78.83	19.86	1.31
	combined	5.15	107.99	42.00	43.40	14.60	100.00	74.29	23.72	1.99
16. all India (rural)	1	5.17	103.20	41.55	42.18	16.27	100.00	87.40	9.06	3.54
	2	5.07	103.80	41.16	42.64	16.20	100.00	86.86	7.83	5.31
	combined	5.12	103.50	41.36	42.42	16.22	100.00	87.13	8.44	4.43

¹ males per 100 females.

² religions other than Hinduism and Islam.

APPENDIX II

A NOTE ON RECALL LAPSE

A 2.1. The continuation of the survey in the 15th round (July 1959–July 1960) in the same set of sample villages in the rural areas with the same duration of one year made it possible to get independent estimates relating to the same reference period “last year” of the 14th round (July 1958–July 1959) which is identical with the reference period “year before last” of the 15th round (July 1959–July 1960), and thus to study the recall lapse in vital rates. The results are given in Table (A 2.1) and (A 2.2) and for each sub-round separately in the Tables Z(A 2.1.C) in Appendix I and (A 2.3). The results of the first sub-round in the NSS 14th and 15th rounds were presented in the paper, “The use of the National Sample Survey in the estimation of current birth and death rates in India” by the Indian Statistical Institute at the International Population Conference, New York, 1961.

A 2.2. The rates of birth and death per 1000 persons during ‘last year’ and ‘year before last’ in the rural zones for NSS 14th and 15th rounds are given in Table (A 2.1). For each of the two rounds the rates “year before last” were considerably less than those “last year”. However, it would be more meaningful to compare the rates for the same calendar year—the rates “year before last” for the NSS 15th round having checked against the rates “last year” in the NSS 14th round. This has been done in Table (A 2.2).

A 2.3. Table (A 2.2) shows in addition to the rates of birth, death and growth per 1000 persons for “year before last” in NSS 15th round and for “last year” in NSS 14th round, the index of the former to the latter in the rural zones: the combined estimate for last year was taken as the base for calculating the index. The index of the all-India estimates of birth and death for ‘year before last’ was 73 and 46 respectively, indicating under-reporting of 27 per cent in birth and 54 per cent in death; the extent of recall lapse in deaths was thus twice that for births. The highest and lowest indices for both births and deaths were in the South and East zones respectively. The recall lapse for deaths being greater than that for births, the rate of growth obtained from the estimates of ‘year before last’ was underestimated by 1 per cent only in the all-India level. While the effect of the recall lapse is quite appreciable in the case of the two primary rates, it is interesting to note thus that the effect of this is not so marked on the growth rate. This is so because there is a certain amount of compensation as both the birth and the death rates are underestimates, and the one (death rate), subject to a higher degree of recall lapse, has a lower absolute value.

National Sample Survey

TABLE (A 2.1): RATES PER 1000 PERSONS FOR BIRTHS, DEATHS DURING 'LAST YEAR' AND 'YEAR BEFORE LAST' IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES: SIX SUB-ROUNDS COMBINED, NSS 14TH AND 15TH ROUNDS, RURAL

zone	sample	14th round				15th round			
		year before last		last year		year before last		last year	
		birth	death	birth	death	birth	death	birth	death
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. north	1	29.83	7.60	41.86	15.39	28.62	6.72	40.40	11.95
	2	28.39	8.40	39.18	16.20	28.68	8.76	39.73	14.06
	combined	29.16	2.97	40.60	15.77	28.65	7.69	40.08	12.94
2. central	1	30.02	11.85	43.99	28.04	30.50	12.90	45.52	21.07
	2	29.17	10.83	44.23	27.51	30.91	11.39	39.96	18.78
	combined	29.59	11.34	44.11	27.78	30.71	12.15	42.74	19.92
3. east	1	22.73	7.24	34.58	17.20	22.46	5.39	34.87	11.11
	2	21.85	7.48	33.67	14.94	24.87	7.69	36.05	13.92
	combined	22.27	7.37	34.11	16.02	23.70	6.59	35.49	12.57
4. south	1	25.76	7.14	34.19	13.86	27.34	6.93	36.64	12.62
	2	23.98	6.89	34.40	14.08	28.75	8.26	36.69	13.67
	combined	24.84	7.01	34.30	13.97	28.05	7.62	36.67	13.15
5. west	1	27.14	8.91	38.65	18.41	29.22	10.81	40.01	15.34
	2	28.35	9.79	39.23	17.33	31.30	9.93	40.59	14.77
	combined	27.75	9.36	38.94	17.87	30.25	10.37	40.50	15.06
6. all India	1	26.79	8.79	38.50	19.47	27.36	8.75	39.58	14.87
	2	25.93	8.73	38.02	19.44	28.64	9.25	38.28	15.29
	combined	26.35	8.76	38.26	19.42	28.00	9.00	38.93	15.08

TABLE (A 2.2): RATES PER 1000 PERSONS FOR BIRTHS, DEATHS AND GROWTH DURING 'LAST YEAR' FOR NSS 14TH ROUND AND THOSE DURING 'YEAR BEFORE LAST' FOR NSS 15TH ROUND IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES AND INDEX OF RATES FOR 'YEAR BEFORE LAST': SIX SUB-ROUNDS COMBINED, NSS 14TH AND 15TH ROUNDS, RURAL

zone	sample	NSS 14th round (last year)			NSS 15th round (year before last)			index		
		birth	death	growth	birth	death	growth	birth	death	growth
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. north	1	41.86	15.39	26.47	28.62	6.72	21.90	70	43	88
	2	39.18	16.20	22.98	28.68	8.76	19.92	73	56	80
	combined	40.60	15.77	24.83	28.65	7.69	20.96	71	49	84
2. central	1	43.99	28.04	15.95	30.50	12.90	17.60	69	46	108
	2	44.23	27.51	16.72	30.91	11.39	19.52	70	41	120
	combined	44.11	27.78	16.33	30.71	12.15	18.56	70	44	114
3. east	1	34.58	17.20	17.38	22.46	5.39	17.07	66	34	94
	2	33.67	14.94	18.73	24.87	7.69	17.18	73	48	95
	combined	34.11	16.02	18.09	23.70	6.59	17.11	69	41	95
4. south	1	34.19	13.86	20.33	27.34	6.93	20.41	80	50	100
	2	34.40	14.08	20.32	28.75	8.26	20.49	84	59	101
	combined	34.30	13.97	20.33	28.05	7.62	20.43	82	55	100
5. west	1	38.65	18.41	20.24	29.22	10.81	18.41	75	51	87
	2	39.23	17.33	21.90	31.30	9.93	21.37	80	47	101
	combined	38.94	17.87	21.07	30.25	10.37	19.88	78	49	94
6. all India (rural)	1	38.50	19.47	19.03	27.36	8.75	18.61	72	45	97
	2	38.02	19.44	19.44	28.64	9.25	19.39	75	48	101
	combined	38.26	19.42	19.24	28.00	9.00	19.00	73	46	99

TABLE (A2.3): RATES PER 1000 PERSONS FOR BIRTHS, DEATHS AND DIFFERENCE OF BIRTHS AND DEATHS DURING YEAR BEFORE LAST IN THE RURAL ZONES FROM TWO INTERPENETRATING SAMPLES IN THE SIX SUB-ROUNDS:
NSS 14TH ROUND, RURAL

zone	sample	rate for 1000 persons : birth							rate per 1000 persons : death							natural increase = birth—death						
		sub-rounds							sub-rounds							sub-rounds						
		1	2	3	4	5	6	all	1	2	3	4	5	6	all	1	2	3	4	5	6	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1. north	1	35.50	28.56	34.08	29.78	31.26	23.02	29.83	7.61	5.78	9.61	11.41	6.67	5.99	7.60	27.89	22.78	24.47	18.37	24.59	17.03	22.23
	2	33.02	33.41	21.65	25.64	30.88	25.31	28.39	9.99	9.91	7.29	7.94	7.86	7.60	8.40	23.08	23.50	14.36	17.70	23.02	17.71	19.99
	comb.	34.35	30.54	27.82	27.74	31.07	24.11	29.16	8.71	7.46	8.44	9.70	7.24	6.74	7.97	25.64	23.08	19.38	18.04	23.83	17.37	21.19
2. central	1	34.63	34.94	27.57	28.52	27.20	27.01	30.02	14.77	11.09	10.43	11.34	10.30	12.70	11.85	19.86	23.85	17.14	17.18	16.90	14.31	18.17
	2	36.54	38.46	29.15	27.57	24.55	22.59	29.17	12.02	13.49	11.47	10.39	9.17	10.46	10.83	24.52	24.97	17.68	17.18	15.38	12.13	18.34
	comb.	35.49	37.06	28.22	28.09	25.75	24.45	29.59	13.52	12.53	10.86	10.91	9.68	11.40	11.34	21.97	24.53	17.36	17.18	16.07	13.05	18.25
3. east	1	29.54	25.20	24.38	18.36	19.18	21.25	22.73	7.93	8.36	8.72	5.01	6.98	6.66	7.24	21.61	16.84	15.66	13.35	12.20	14.59	15.49
	2	25.77	23.45	16.71	25.52	18.17	20.00	21.85	6.95	6.96	7.66	8.39	7.42	7.46	7.48	18.82	16.49	9.05	17.13	10.75	12.54	14.37
	comb.	27.48	24.23	21.00	22.08	18.69	20.54	22.27	7.39	7.58	8.26	6.77	7.19	7.12	7.37	20.09	16.65	12.74	15.31	11.50	13.42	14.90
4. south	1	28.98	30.00	25.79	25.76	22.64	20.00	25.76	7.72	9.14	7.12	6.84	5.84	5.50	7.14	21.26	20.86	18.67	18.92	16.80	14.50	18.62
	2	30.89	24.85	24.10	20.80	18.58	24.63	23.98	10.17	6.42	5.96	7.07	5.37	6.34	6.89	20.72	18.43	18.14	13.73	13.21	18.29	17.09
	comb.	30.02	27.77	24.88	22.97	20.50	22.48	24.84	9.05	7.97	6.50	6.98	5.65	5.95	7.01	20.97	19.80	18.38	15.99	14.85	16.53	17.83
5. west	1	28.89	31.71	28.94	24.59	25.74	22.01	27.14	8.82	9.30	10.60	7.63	9.23	7.40	8.91	20.07	22.41	18.34	16.96	16.51	14.61	18.23
	2	33.58	29.28	28.61	28.28	29.71	25.52	28.35	11.09	7.64	13.58	10.64	9.52	8.95	9.79	22.49	21.64	15.03	17.64	20.19	16.57	18.56
	comb.	31.18	30.33	28.80	26.47	27.87	23.74	27.45	9.93	8.36	11.82	9.16	9.38	8.16	9.36	21.25	21.97	16.98	17.31	18.49	15.58	18.39
6. all India (rural)	1	31.51	29.84	27.08	24.77	24.21	22.76	26.79	10.31	8.85	9.32	8.33	7.79	7.93	8.79	21.20	20.99	17.76	16.44	16.42	14.83	18.00
	2	31.71	29.85	24.01	25.67	23.17	22.87	25.93	9.97	9.09	8.81	9.00	7.84	8.30	8.73	21.74	20.76	15.20	16.67	15.33	14.57	17.20
	comb.	31.61	29.84	25.69	25.22	23.67	22.82	26.35	10.14	8.97	9.12	8.66	7.81	8.13	8.76	21.47	20.87	16.57	16.56	15.86	14.69	17.59

APPENDIX III

LIST OF NATIONAL SAMPLE SURVEY DEMOGRAPHIC REPORTS AND PAPERS PREPARED IN THE INDIAN STATISTICAL INSTITUTE

GENERAL

1. P. C. Mahalanobis : The National Sample Survey General Report No. 1 on the First Round, Government of India, 1952.
2. 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.
3. R. K. Som : "Population trends and problems in India", in "India's Population", ed. S. N. Agarwala, Asia Publishing House, Bombay, 1960.

FERTILITY AND MORTALITY

1. P. C. Mahalanobis and Ajit Das Gupta : "The use of sample surveys in demographic studies in India" World Population Conference, Rome, 1964.
2. Ajit Das Gupta, R. K. Som, M. Majumder and S. Mitra : "Couple Fertility", National Sample Survey Report No. 7, Government of India, 1955.
3. Ajit Das Gupta : "Determination of fertility trends and differentials in defective registration areas", International Statistical Institute, Bulletin, 36, 2, 71, 1957.
4. National Sample Survey Report No. 76, "Fertility and Mortality rates in India, July 1958-June 1959", Government of India, 1963.
5. N. C. Das : "A study on the fertility variation between Kerala and her neighbours", Seminar on the "Implications of the present rate of Growth of Population in Kerala", Trivandrum, 1964.

RATES OF BIRTHS, DEATHS AND GROWTH

1. National Sample Survey Report No. 48, "Preliminary estimates of birth and death rates and of the rate of growth of population, July 1958-July 1959", Government of India, 1961.
2. R. K. Som : "On recall lapse in demographic studies", International Population Conference, Vienna, 1959.
3. 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.
4. S. Banerji and N. C. Das : "Natural growth rate in Rural India", All-India Seminar on Population, Delhi, 1964.
5. N. C. Das and A. K. De : "Technical papers on the collection of data on the vital rates based on the experience of the National Sample Survey in India", NSS Working Paper No. 32, Indian Statistical Institute, Calcutta, 1963.

Rates of Birth, Death and Growth of Rural Population

6. National Sample Survey Report No. 110, "Rates of birth, death and growth of rural population, July 1959-July 1960, Government of India, 1964.

ECONOMICALLY ACTIVE POPULATION

1. NSS Report No. 8, "Preliminary Survey of Urban employment, September 1953, Government of India, 1956.
2. NSS Report No. 14, "Some characteristics of the economically active population", Government of India, 1959.
3. NSS Report No. 16, "Sample Survey on employment and unemployment, May-November 1955", 1959.
4. NSS Report No. 17, "Calcutta employment survey, September 1953", Government of India, 1959.
5. NSS Report No. 34, "Tables with notes on employment and unemployment 10th round, December 1955-May 1956", Government of India, 1960.
6. NSS Report No. 52, "Tables with notes on employment and unemployment, 11th and 12th rounds, August 1956-August 1957", Government of India, 1960.
7. NSS Report No. 62, "Report on employment and unemployment, 9th round (supplementary), May-November 1955", Government of India, 1960.
8. NSS Report No. 63, "Tables with notes on employment and unemployment in urban areas, 13th round, September 1957-May 1958, Government of India, 1960.
9. Ajit Das Gupta : "An empirical approach to the measurement of underemployment", International Statistical Institute Session, Tokyo, 1960.
10. NSS Report No. 85, "Tables with notes on employment and unemployment in urban areas, 14th round, July 1958-June 1959", Government of India, 1961.
11. NSS Draft No. 88, "Tables with notes on rural employment and unemployment, 14th round, July 1958-June, 1959", 1961.
12. NSS Draft No. 111, "Tables with notes on urban labour force, 16th round, July 1960-June 1961", 1963.
13. NSS Draft No. 121, "Tables with notes on employment and unemployment in rural areas, 16th round, July 1960-June 1961", 1963.

FAMILY PLANNING

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APPENDIX IV
FACSIMILE OF THE SCHEDULES OF INVESTIGATION

CENTRAL*
STATE

ORIGINAL*
DUPLICATE

GOVERNMENT OF INDIA NATIONAL SAMPLE SURVEY : 1959-60

Schedule 12 : Population, Births & Deaths

RURAL

(Fifteenth Round)

[1] identification of sample village			
1. serial number		12. village	
2. zone-state-natural division		13. hamlet (or hamlet group)	
3. stratum		14. number of hamlets (or hamlet groups) in the village	
4. sub-round			
5. sub-sample		15. number of households in village/hamlet/hamlet group*	
6. sample village			
7. C.P.A. classification**		16. total number of births registered last year (365 days preceding the date of survey) from the village	
8. age of the block (completed years)			
9. state		17. total number of deaths registered last year (365 days preceding the date of survey from) the village	
10. district			
11. tehsil/taluk/thana*		18. Census 1951 population of the village†	
		19. multiplier†	
[2] particulars of investigation			
item	investigator	inspector	field scrutiny
1. name			
2. roll number			
3. date of survey/inspection/scrutiny	commencement		
	completion		
4. date of receipt—despatch			
5. number of scrutiny sheets attached	x	x	
6. signature			
[3] remarks by investigator			
[4] comments by inspector			

* delete whichever is inapplicable.

** codes : (a) not in C.P.A.-0; (b) under C.P.A. : stage I-1, stage II-2, in Community Development block-3

† not to be filled by the investigator.

National Sample Survey

Sch. 12-2

[5] household characteristics as on.....																		
h.h. srl. no.	name of head of household	name of father/mother/husband of head	household size by sex and age									h.h. land possessed (0.00 acres)	household					
			male*				female*						industry code	occupation code	h.h. religion	duration of stay in village	total h.h. expenditure last month (Rs.)	per capita h.h. expenditure last month (Rs. 0.00)*
			0-14	15-44	45-	total	0-14	15-44	45-	total	total							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)

[6] usual household members as on.....																		
item		serial no. of h.h. as in col. (1) of bl. [5].....							serial no. of h.h. as in col. (1) of bl. [5].....									
1.	srl. no. of member																	
2.	relation to head																	
3.	sex (m-1, f-2)																	
4.	age last birthday (years)																	
5.	marital status																	
6.	total no. of children born alive**																	
7.	age at first birth**																	
8.	period of absence last year (weeks)																	
9.	membership change																	

[6] usual household members as on.....																		
item		serial no. of h.h. as in col. (1) of bl. [5].....							serial no. of h.h. as in col. (1) of bl. [5].....									
1.	srl. no. of member																	
2.	relation to head																	
3.	sex (m-1, f-2)																	
4.	age last birthday (years)																	
5.	marital status																	
6.	total no. of children born alive**																	
7.	age at first birth**																	
8.	period of absence last year (weeks)																	
9.	membership change																	

[7] births during the two years ended on.....														[8] deaths during the two years ended on.....																										
srl. no. of birth		srl. no. as in bl. [6]		age of mother (years)		interval since previous birth (months)		order of birth		sex (m-1, f-2)		time of birth		attendance type		born alive		born dead (B.D.)		relation to child		relation to head		sex (m-1, f-2)		age at death		time of death		attendance type		last industry-occupation (code)		informant's relation to deceased						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)							

* not to be filled by the investigator ** for all married, widowed, divorced, and separated females

Rates of Birth, Death and Growth of Rural Population

Sch. 12-3

[5] household characteristics as on.....

h.h. srl. no.	name of head of household	name of father/mother/husband of head	household size by sex and age										h.h. land possessed (0.00 acres)	household		h.h. religion	duration of stay in village	total h.h. expenditure last month (Rs.-)	per capita h.h. expenditure last month (Rs. 0.00)*
			male*					female*						industry code	occupation code				
			0-14	15-44	45-	total	total	0-14	15-44	45-	total	total							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	

[6] usual household members as on.....

item	serial no. of h.h. as in col. (1) of bl. [5].....	serial no. of h.h. as in col. (1) of bl. [5].....
1. srl. no. of member		
2. relation to head		
3. sex (m-1, f-2)		
4. age last birthday (years)		
5. marital status		
6. total no. of children born alive**		
7. age at first birth**		
8. period of absence last year (weeks)		
9. membership change		

[6] usual household members as on.....

item	serial no. of h.h. as in col. (1) of bl. [5].....	serial no. of h.h. as in col. (1) of bl. [5].....
1. srl. no. of member		
2. relation to head		
3. sex (m-1, f-2)		
4. age last birthday (years)		
5. marital status		
6. total no. of children born alive**		
7. age at first birth**		
8. period of absence last year (weeks)		
9. membership change		

[7] births during the two years ended on.....													[8] deaths during the two years ended on.....																		
srl. no. of birth	srl. no. as in bl. [6]	age of mother (years)	sex (m-1, f-2)	interval since previous birth (months)	order of birth	week	time of birth				place of birth	attendance type	born alive			born dead (B.D.)	informant's relation to child	srl. no. of death	relation of deceased to head	sex (m-1, f-2)	age at death (years)	week	time of death				place of death	attendance type	last industry-occupation (code)	informant's relation to deceased	
							calendar month	calendar year	how determined	present			also alive (weeks)	now	since death (weeks)								since dead (weeks)	calendar month	calendar year	how determined					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
srl. no. of h.h. as in col. (1) of bl. [5].....																															
srl. no. of h.h. as in col. (1) of bl. [5].....																															
srl. no. of h.h. as in col. (1) of bl. [5].....																															
srl. no. of h.h. as in col. (1) of bl. [5].....																															

* not to be filled by the investigator ** for all married, widowed, divorced, and separated females

National Sample Survey

Sch. 12-4

CODE LIST

(Schedule 12 : Population, Births & Deaths)

BLOCK [5] : HOUSEHOLD CHARACTERISTICS

1. Household religion (Col. 16) :

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

BLOCK [6] : USUAL HOUSEHOLD MEMBERS

2. Marital status (row 5) :

never married	...	...	1;
married	...	...	2;
widowed	...	...	3;
divorced	...	...	4;
separated	...	...	5;

3. Membership change (row 9) :

Tenth place :

A. For households which existed in the village a year ago :

(a) also a member a year ago	...	...	0;
(b) has now become a member by			
(i) birth	...	...	1;
(ii) marriage	...	...	2;
(iii) realignment of household	...	...	3;
(iv) other reasons (specify)	...	...	4;

B. For households formed within a year : members of such "new" households ... 9;

Unit place (place of origin) :

(a) no change of place	...	...	0;
(b) rural areas in			
(i) same district	...	...	1;
(ii) other district in the same State	...	...	2;
(iii) other States	...	...	3;
(c) Urban areas in :			
(i) same district	...	...	4;
(ii) other district in the same State	...	...	5;
(iii) other States	...	...	6;
(d) Foreign countries :			
(i) Pakistan	...	...	7;
(ii) other countries	...	...	8;

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

4. Time of birth/death— } (col. 12 of bl. [7];
How determined } col. 8 of bl. [8]).

definite statement of age	...	...	1;
relating with : local and religious festivals	...	...	2;
: agricultural season	...	...	3;
: others whose ages are known	...	...	4;
registration certificate	...	...	5;
other evidence (specify)	...	...	6;
guess ; no evidence	...	...	7;

5. Place of birth/death (col. 13 of bl. [7]; col. 9 of bl. [8]) :

(a) Within the village:

own premises	...	...	1;
child's mother's father's premises	...	...	2;
other premises	...	...	3;
hospitals, maternity homes and other medical institutions	...	...	4;
others (specify)	...	...	5;

(b) Outside the village:

own premises	...	...	6;
child's mother's father's premises	...	...	7;
other premises	...	...	8;
hospitals, maternity homes and other medical institutions	...	...	9;
others (specify)	...	...	0;

6. Attendance type (col. 14 of bl. [7]; col. 10 of bl. [8]):

dhai	...	...	1;
midwife or qualified nurse	...	...	2;
physician	...	...	3;
relatives	...	...	4;
others	...	...	5;
no attendance	...	...	6;

7. Informant's relation to child/deceased (col. 18 of bl. [7]; col. 12 of bl. [8]):

father	...	...	1;
mother	...	...	2;
*spouse (husband or wife)	...	...	3;
*son	...	...	4;
*daughter	...	...	5;
head of household (other than 1-5)	...	...	6;
other relations in the household	...	...	7;
other relations outside the household	...	...	8;
others	...	...	9;
*not applicable in case of births			

NOTE

1. In col. (3) of block [7] (srl. no. of child as in block [6]), write 'B. D.' if the child was born dead ; 'S. D.' if the child was born alive and since dead ; and 'X' if the child is alive now and not a member of the household, specifying in a footnote where (e.g. grand-father's h.h.) it is a usual member now.

2. (i) put 'X' only where specified, e.g. the item 'total no. of children born alive' for never-married females ;

(ii) put '-' (dash) if the item is not applicable, e.g. 'total no. of children born alive' for males : for ever-married females with no children born alive '0' should be put and not 'X', '-', or blank ;

(iii) write 'n. a.' for information not available even after detailed probing ;

(iv) avoid blank space as far as possible.

NATIONAL SAMPLE SURVEY REPORTS ALREADY PUBLISHED

- No. 1 General Report No. 1 on the First Round (October 1950-March 1951)
- 2 Tables with Notes on the Second Round (April-June 1951)
- 3 Tables with Notes on the Third Round (August-November 1951)
- 4 Special Report on the Survey of Persons in the "Live-Register" of Delhi Employment Exchange (August-September 1951)
- 5 Technical Paper on Some Aspects of the Development of the Sample Design
- 6 Survey of Faridabad Township (March-April 1954)
- 7 Couple Fertility (Second Round, April-June, 1951 and Fourth Round, April-September 1952)
- 8 Report on Preliminary Survey of Urban Employment (September 1953)
- 9 Report on the Sample Survey of Displaced Persons in the Urban Areas of the Bombay State (July-September 1953)
- 10 First Report on Land Holdings, Rural Sector (Eighth Round : July 1954-March 1955)
- 11 Report on Sample Survey of Manufacturing Industries, 1949-50
- 12 A Technical Note on Age Grouping
- 13 Report on Household Transport Operations (Seventh Round : October 1953-March 1954)
- 14 Report on Some Characteristics of the Economically Active Population (Fourth to Seventh Round : April 1952-March 1954)
- 15 Report on Sample Survey of Manufacturing Industries, 1951
- 16 Report on Employment and Unemployment (Ninth Round : Preliminary, May-November 1955)
- 17 Report on Sample Survey of Employment in Calcutta (September 1953)
- 18 Tables with Notes on Consumer Expenditure (Fourth Round : April-September 1952)
- 19 Report on Small Scale Manufacture : Household Enterprises smaller than Registered Factories (Seventh round : October 1953-March 1954)
- 20 Report on Pattern of Consumer Expenditure (Second to Seventh Round : April 1951-March 1954)
- 21 Household Small Scale Manufacturing Establishments (Ninth Round : May-November 1955)
- 22 Report on Sample Survey of Manufacturing Industries, 1952
- 23 Report on Sample Survey of Manufacturing Industries, 1953
- 24 Report on Household Retail Trade (Seventh to Ninth Round : October 1953-September 1955)
- 25 Sample Verification of Livestock Census : 1956
- 26 A Preliminary Report on Housing Condition (Seventh Round : October 1953-March 1954)
- 27 Technical Records of Sample Design, Instructions to Field Workers and List of Sample Villages and Urban Blocks (Ninth Round : May-November 1955)
- 28 Report on Sample Survey of Manufacturing Industries, 1954(1)
- 29 Notes on Some Results of the Land Utilisation Survey (Tenth Round : December 1955-May 1956)
- 30 Report on Land Holdings (2) : Operational Holdings in Rural India (Eighth Round : July 1954-April 1955)
- 31 Tables with Notes on Household Transport Operations (Eighth to Tenth Round : July 1954-May 1956)
- 32(I) Some Aspects of Costs of Cultivation of Paddy, Wheat, Jowar and Bajra (Fifth to Seventh Round : October 1952-March 1954)

NATIONAL SAMPLE SURVEY REPORTS ALREADY PUBLISHED

- No. 32(II) Some Aspects of Costs of Cultivation of Barley, Maize, Ragi, Gram, Small Millets, Groundnut, Cotton and Jute (Fifth to Seventh Round : October 1952-March 1954)
- 32(III) Some Aspects of Costs of Cultivation of Minor Cereals, Pulses, Sugarcane, Oil Seeds, Potato, Spices and Tobacco (Fifth to Seventh Round : October 1952-March 1954)
- 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)
- 34 Tables with Notes on Employment and Unemployment (Tenth Round : December 1955-May 1956)
- 35 Tables with Notes on Livestock Products (Fifth to Seventh Round : April 1952-March 1954)
- 36 Report on Land Holdings (3): Some Aspects of Ownership Holdings (Eighth Round : July 1954-April 1955)
- 37 Survey of Book Reader's Preference in India (Thirteenth Round: September 1957-May 1958)
- 38 Some Results of the Land Utilisation Survey and Crop-cutting Experiments: (Thirteenth Round : September 1957-May 1958)
- 39 Tables with Notes on Consumer Expenditure (Eighth Round : July 1954-March 1955)
- 40 Tables with Notes on Consumer Expenditure (Ninth Round : May-November 1955)
- 41 Household Retail Trade (Tenth Round : December 1955-May 1956)
- 42 Report on Small Scale Manufacture: Household Enterprises smaller than Registered Factories (Seventh to Eighth Round : October 1953-April 1955)
- 43 Tables with Notes on Small Scale Manufacture: Household Enterprises smaller than Registered Factories (Ninth and Tenth Rounds : May 1955-May 1956)
- 44 A Note on Profession and Services (Fourth to Eighth Round : April 1952-April 1955)
- 45 Report on Indian Villages : A Study of Some Social and Economic Aspects (Tenth to Twelfth Round : December 1955-August 1957)
- 46 Tables with Notes on Consumer Expenditure of Agricultural Labour Households in Rural Areas (Eleventh and Twelfth Rounds : August 1956-August 1957)
- 47 Tables with Notes on Consumer Expenditure (Tenth Round : December 1955-May 1956)
- 48 Preliminary Estimates of Birth and Death Rates and of the Rate of Growth of Population (Fourteenth Round : July 1958-July 1959)
- 49 Report On Morbidity (Thirteenth Round : September 1957-May 1958)
- 50 Tables with Notes on Housing Condition (Tenth Round : December 1955-May 1956)
- 51 Tables with Notes on Housing Condition (Eleventh Round : August 1956-January 1957)
- 52 Tables with Notes on Employment and Unemployment (Eleventh and Twelfth Rounds : August 1956-August 1957)
- 53 Tables with Notes on Internal Migration (Ninth, Eleventh, Twelfth and Thirteenth Rounds : May 1955-May 1958)
- 54 Vital Rates (Seventh Round : October 1953-March 1954)
- 55 Report on Sample Survey of Manufacturing Industries, 1954(2) : Exploratory Survey of Scheduled Industries

NATIONAL SAMPLE SURVEY REPORTS ALREADY PUBLISHED

- No. 56 Report on Sample Survey of Manufacturing Industries, 1955(1): Survey of Scheduled Industries
- 57 Report on Sample Survey of Manufacturing Industries, 1955(2)
- 58 Report on Sample Survey of Manufacturing Industries, 1956 (1): Survey of Scheduled Industries
- 59 Tables with Notes on Pattern of Household Ownership and Possession of Land in Rural Area, 1950-51 to 1953-54 (Eighth Round: July 1954-April 1955)
- 60 Tables with Notes on Farming Condition and Practices in Rural Areas 1953-54 (Eighth Round: July 1954-April 1955)
- 61 Notes on the Results of the Land Utilisation Survey and Crop-cutting Experiments: (Eleventh Round: August 1956-February 1957)
- 62 Report on Employment and Unemployment (Ninth Round: Supplementary: May-November 1955)
- 63 Tables with Notes on Employment and Unemployment in Urban Areas (Thirteenth Round: September 1957-May 1958)
- 64 Indian Villages: A Study of Some Social and Economic Aspects (Thirteenth Round: September 1957-May 1958)
- 65 Tables with Notes on Animal Husbandry (Eleventh round: August 1956-January 1957)
- 66 Report on Land Holdings (4): Rural Sector, States (Eighth Round: July 1954-April 1955)
- 67 Tables with Notes on Housing Condition (Twelfth Round: March-August 1957)
- 68 Tables with Notes on Rural Indebtedness (Eighth Round: July 1954-April 1955)
- 69 Notes on the Results of the Land Utilisation Survey and Crop-cutting Experiments (Twelfth Round: March-August 1957)
- 70 Technical Paper on Sample Design (Fourteenth Round: July 1958-June 1959)
- 71 Consumer Expenditure by Levels of Household Expenditure (Thirteenth Round: September 1957-May 1958)
- 72 Tables with Notes on Milk Production (Twelfth Round: March-August 1957)
- 73 Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Fourteenth Round: July 1958-June 1959)
- 74 Report on Land Holdings (5), Rural Sector (Some Aspects of Operational Holdings—Population Zones and All India): Eighth Round, July 1954—April 1955
- 75 Report on Sample Survey of Manufacturing Industries: 1956 (2)
- 76 Fertility and Mortality Rates in India (Fourteenth Round: July 1958-June 1959)
- 77 Tables with Notes on Consumer Expenditure (Eleventh Round: August 1956-February 1957)
- 78 Tables with Notes on Consumer Expenditure (Twelfth Round: March—August 1957)
- 79 Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Fifteenth Round: July 1959-June 1960)
- 80 Tables with Notes on Consumer Expenditure (Thirteenth Round: September 1957—May 1958)
- 81 Report on Land Holdings: Urban Sector (Eighth Round, July 1954—April 1955)
- 82 Tables with Notes on Some Aspects of Cost of Cultivation of Paddy, Wheat, Barley, Maize, Millets, Pulses, Oil Seeds and Vegetables, Urban India (Fifth to Seventh Round, 1951—1953)

NATIONAL SAMPLE SURVEY REPORTS ALREADY PUBLISHED

- No. 83 Report on Sample Survey of Manufacturing Industries, 1957 (1)
- 84 Tables with Notes on Sample Survey of Manufacturing Industries : Survey of Scheduled Industries 1957
- 85 Tables with Notes on Employment and Unemployment in Urban Areas, (Fourteenth Round : July 1958—June 1959)
- 86 Tables with Notes on Sample Survey of Manufacturing Industries, 1957 (2)
- 87 Tables with Notes on Average Budget of Agricultural Labour Households in Rural Areas (Eleventh and Twelfth Rounds : August 1956—August 1957)
- 88 Tables with Notes on Household Receipts and Disbursements : Fourteenth Round, July 1958—June 1959
- 89 Tables with Notes on Dwelling Habits of Occupants of the Two-room Government Residences in New Delhi, July 1960
- 90 Tables with Notes on Survey of Scheduled Industries, 1958 : Sample Survey of Manufacturing Industries, 1958
- 91 Tables with Notes on the Annual Survey of Industries, 1959 : Sample Sector : Summary Results.
- 92 Some Results of Land Utilisation Survey and Crop-Cutting Experiments (Sixteenth Round : July 1960—June 1961)
- 93 Tables with Notes on Sample Survey of Manufacturing Industries 1958, Factory Establishments : Summary Results
- 94 Tables with Notes on Small Scale Manufacture : Rural and Urban (Fourteenth Round, July 1958—June 1959)
- 95 Tables with Notes on Household Indebtedness (Sixteenth Round, July 1960—June 1961)
- 96 The Annual Survey of Industries, 1960 : Sample Sector, Summary Results
- 97 Tables with Notes on Capital Formation (Fifteenth Round—Rural : July 1959—June 1960)
- 98 Tables with Notes on Consumer Expenditure (Preliminary): Fifteenth Round, July 1959—June 1960
- 99 Tables with Notes on Household Non-Registered Trade (Fifteenth Round : July 1959—June 1960)
- 100 Tables with Notes on Rural Employment and Unemployment (Fourteenth Round : July 1958—June 1959)
- 101 Tables with Notes on Consumer Expenditure (Preliminary) : Sixteenth Round, July 1960—August 1961
- 102 Tables with Notes on Consumer Expenditure : Fourteenth Round, July 1958—June 1959
- 103 Tables with Notes on Urban Labour Force : Sixteenth Round, July 1960—June 1961
- 104 Tables with Notes on Consumer Expenditure : Fifteenth Round, July 1959—June 1960
- 105 Tables with Notes on Household Non-Mechanised Transport and Utilization of Working Animals : Fifteenth Round, July 1959—June 1960

NATIONAL SAMPLE SURVEY REPORTS ALREADY PUBLISHED

- 106 Tables with Notes on Land Utilization Survey and Crop-Cutting Experiments :
Seventeenth Round, July 1961—June 1962
- 107 Tables with Notes on Consumer Expenditure : Eleventh and Twelfth Round,
August 1956—August 1957
- 108 Report on the Type Study on Consumption and Disposal of Cereals and Capital
Formation by Households : 1959-60
- 109 Tables with Notes on Indian Villages : Fourteenth Round, July 1958—June 1959
- 110 Tables with Notes on Rates of Birth, Death and Growth of Rural Population :
Fifteenth Round, July 1959-July 1960