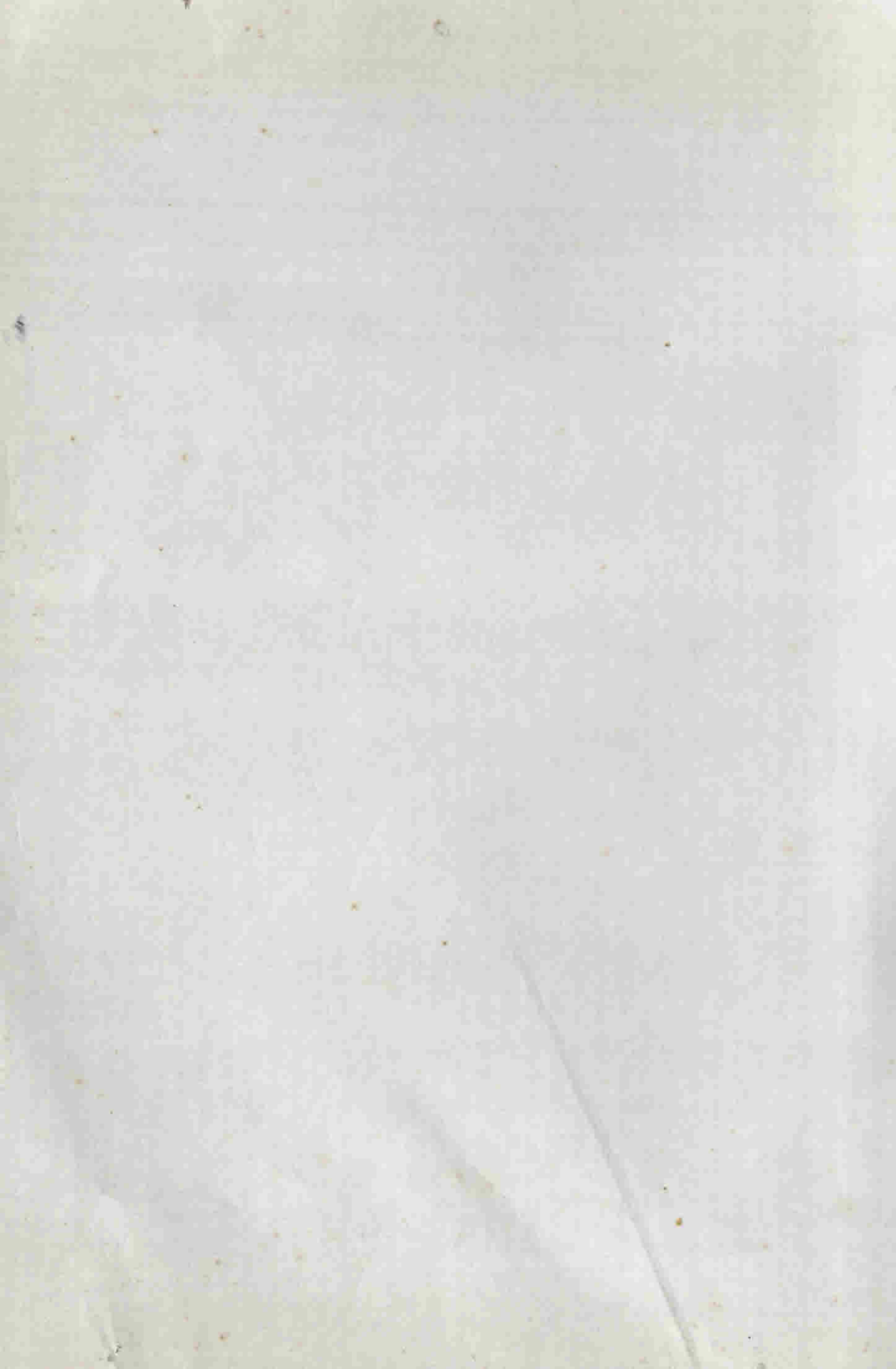




Government of Kerala

**Sample Registration of
Births and Deaths
In
Kerala (Rural) 1994**

**Department of Economics & Statistics
Thiruvananthapuram
2000**



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Preface

The Sample Registration System was introduced in all the states of India under the direction of the Registrar General of India with the objectives of obtaining quick and reliable estimates of vital rates in the country regularly

The report presents the results of the study in rural areas of Kerala State for the year 1994. The estimates of vital rates viz. crude birth and death rates, infant mortality rate etc. and also the details of marriages obtained through the study are included in the report.

This report was prepared by the Sample Registration Unit of the Directorate of Economics and Statistics.

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Director***

Thiruvananthapuram.

24th March 2000.

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Sample Registration System in Kerala (Rural) – 1994

Chapter I

1.1 Introduction

The sample Registration system was introduced in all states of India by the Registrar General of India in order to rectify the problems involved in Civil Registration system. The sample Registration system, as a dual recording system provides not only vital rates in India but also the details regarding Fertility, morality life expectancy, marriage etc. The Department of Economics and Statistics of Kerala and Census Department in Kerala are the implementing agencies of the system in the rural and urban sectors respectively. This report is prepared based on the details collected in the 58th and 59th half yearly surveys of S.R.S from the 150 selected samples from rural areas for the year 1994.

The Sample Registration system was introduced in the state during the year 1964-65 as a pilot project in 20 rural and 5 urban sample units. The full-fledged scheme was introduced on a regular basis by extending the survey in 150 rural samples in the state on 1st July 1965. The sample originally selected were retained upto the year 1982. Out of the 150 rural samples, 75 samples were replaced in the year 1982 and the remaining 75 sample units by the year 1983. The stratified simple random sampling method was used for the selection of rural sample units the stratum being the census village, which were classified into 4 types according to population of 1981 census such as below 500, 500-999, 1000-1999 and 2000 and above in the two regions of the state namely northern region consisting of northern districts beyond Thrissur and southern regions consisting of the remaining district from Thiruvananthapuram to Thrissur. The allocation of the samples in different states was in proportion to the population of each stratum to the total population. The number old population of the samples selected for the study and the total number and population of census village in each stratum are given in Table 35 appended to the report.

1.2 Staff engaged in the survey

For conducting continuous enumeration survey, 150 part-time enumerators were appointed in 150 rural sample units. In the case of half yearly survey, 17 statistical assistants / computers were deputed from census department for data collection. The A.D.Os (S.R) in each district office of this department supervised the field work and conducting the re-verification of unmatched and partially matched events. At the state H.Qs one R.S.O, one R.A one computer from Census Department and two compilers are engaged in the Sample Registration work.

1.3 Field Work

As per the instruction of the survey, a base line survey was conducted at the outset in all the 150 Sample units for identify the resident population. The vital events occurring in these units were registered by the enumerators on a regular basis through informants and house visits. The details were reported to the district office and state Head Quarters each month. The Statistical Assistant / Computers conducted the half-yearly survey for updating population and netting the vital events occurred in each sample. These two set of data collected independently by the enumerator and the supervisor, were matched at the district head quarters to identify the unmatched and partially matched events. The A.D.O's in the District Offices conducted re-verification of these unmatched and partially matched events and found out the correct events and then finalised the results of half year and forwarded to the state Head Quarters. These results were subjected to further scrutiny in the state Head quarters and the prescribed forms were forwarded to the R.G. of India for computation of vital rates.

1.4 Overlapping Survey

The data relating to the previous round were also collected alongwith each half yearly survey to find out the missing vital events during the year under report 86 births and 20 deaths events were detected through over lapping survey.

Chapter 2

2.1. Population and its growth

The rural population of the Kerala was estimated as 23431313 on 1/7/1994 and as 23475039 on 1/1/1995, recordingly an increase of 0.19% is seen during the second half of 1994. The corresponding figure of 1993 was the same as that of 1994. The region wise analysis showed an increase of 0.17% in northern region and 0.20% in the southern region during the 2nd half of 1994 as against 0.63% and 0.14% in the previous year (1993).

2.2 Sex ratio and percentage distribution of population by age group

Sex ratio and percentage distribution of population for different age group for the years 1981, 1993 and 1994 are presented in table 5. In 1994 the sex ratio was 1076 against 1074 in the previous year. It is clear that sex ration was nearly steady in both years. Similarly sex ratio is the same in northern and southern regions i.e. 1076. The children, below the age of 14, is 29.37% of the rural population during 1994 where as in the previous year the corresponding percentage was 29.8 %.

2.3 Religion wise Population mid year

Religion wise classification of population showed that 56.7%, 21.58% and 21.67% were Hindu, Muslim and Christian respectively. In the previous year, the religion wise classification were 57.1, 21.7 and 21.2 percentage respectively.

Chapter 3

Measures of Fertility

3.1. Crude Birth rate

The number of the live births per 1000 mid year population is defined as the crude birth rate. The births to the usual residents of the area were only taken into account for the calculation of vital rates.

During the year under report, the estimated birth rate was 17.26 and the corresponding figure in the previous year was 17.51. This shows that the birth rate is lower than the previous year. As usual birth rate is always higher in northern region than that in the southern region. The estimated birth rate in northern region was 19.52 where as in the southern region it was only 15.53. In the previous year it was 19.95 in northern region and 15.68 in southern region. Table A1 provides the birth rate among rural population of Kerala and India for the years 1993 to 1994.

Crude birth rate for Kerala (Rural) and India Rural for the years 1983 to 1994.

Table A1

Crude birth rate of Kerala and India (Rural) for the year 1983 to 1994

Year	Northern	Southern	Total	India Rural
1983	29.3	19.5	23.5	35.3
1984	28.5	20.3	23.7	35.3
1985	27.2	20.4	23.2	34.3
1986	27.0	19.4	22.6	34.2
1987	24.6	19.2	21.5	33.7
1988	23.2	17.6	19.9	33.1
1989	22.7	18.4	20.2	32.2
1990	22.0	17.9	19.6	31.7
1991	20.6	16.7	18.4	30.9
1992	19.5	16.1	17.6	30.9
1993	20.0	15.7	17.5	30.3
1994	19.52	15.53	17.26	30.5

3.2 Birth rate of neighbouring states and all India for 1994

Table A2

Birth rate of neighbouring states and all India for 1994

Sl. No	State	Rural	Rural & Urban combined
1	Andra Pradesh	24.1	23.8
2	Karnataka	26.0	25.0
3	Tamil Nadu	19.7	19.2
4	Kerala	17.3	17.4
	All India	30.5	28.7

Source: Registrar General of India

From the above table it is evident that Kerala's birth rate is the lowest where as the highest birth rate is seen in Karnataka State.

3.3 Distribution of sample villages under different rates

The distribution of sample villages by crude birth rate for the years 1992, 1993, 1994 are presented in table 16 (appended). The birth rate for the state (17.26) found place in the group for which the birth rate is between 16 and less than 20, as in the previous year. In the northern region 49 (80%) sample and in southern region 81 (91%) samples had birth rate below 20. In northern region birth rate was highest in 36 while in southern region it had only 28. As before the birth rate in the rural samples in northern region were comparatively higher than those of southern region.

3.4 Age specific Fertility rate

Age specific fertility rate can be defined as the number of live birth in an year to 1000 women of a specific age group. Age specific fertility rates for the year 1994 are given separately for two regions in table 9 with a view of comparison the age specific fertility ratios for the last 10 years are furnished below in table A3.

Table A3

Age specific Fertility rate in Kerala (Rural) for the year 1984 to 1994

Age group	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
15-19	34.5	33.7	36.7	31.3	28.1	26.8	26.4	25.2	22.4	21.3	22.1
20-24	179.2	177.0	166.1	171.6	153.1	156.3	151.9	141.6	145.9	137.1	137.1
25-29	168.0	155.4	147.1	140.0	128.2	134.9	134.2	125.2	114.5	116.5	117.1
30-34	74.6	73.0	67.5	55.1	57.2	54.1	50.1	47.5	43.3	52.6	44.4
35-39	35.8	29.6	27.4	24.4	24.1	19.9	14.7	15.1	12.2	14.0	14.0
40-44	14.1	14.2	11.2	7.2	6.3	6.6	5.8	4.7	2.7	3.4	3.0
45-49	4.0	1.8	2.9	2.1	3.0	1.9	1.0	0.5	0.6	0.6	0.30

3.5 Age specific Marital Fertility rate.

Age specific marital fertility rate can be defined as the number of live births in an year to 1000 married woman of specific age group. Table 9 appended gives the age specific marital fertility rate for the year 1994. The age group of 20-24 recorded the highest marital fertility rate (265.04). In the previous year also the same age group recorded the highest marital fertility rate

3.6 Number of Surviving children and children ever born in different age group.

The number of everborn and surviving children of currently married women in different age group from 15-19 to 45-49 is given in table 10 and 11 which are appended. Table No. 12 gives the distribution of currently married women. Observed in sample according to age of mother and age of last child. It is observed that 7% of the mothers come under age group 15-19 and 93% of these mothers have at least one child surviving. In the age group of 25-49, 0.39 % mothers have more than 7 children.

3.7 General fertility rate.

The number of live births in an year to 1000 women in the reproductive age group 15-49 is defined as the General Fertility Rate.

The General fertility rate for the two regions separately for the year 1993, 1994 are given below

Region	1993	1994
Northern Region	70.40	68.65
Southern Region	54.45	53.48
State	61.23	59.97

G.F.R. for the year 1984 to 1994 are shown below

G.F.R	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
	87.5	84.4	81.0	77.4	71.5	72.2	69.8	64.8	61.6	61.2	60.0

3.8 Total Fertility rate.

Total fertility rate denotes the average number of children that would be born to a women during her life time; if she was to pass through her child bearing years conforming the age specific fertility rates of the year. The total fertility rate for the two regions for 1993 and 1994 are given below separately.

Region	1993	1994
Northern Region	1.97	1.94
Southern Region	1.53	1.50
State	1.73	1.69

The total fertility rate of Kerala showed a constant trend for the period from 1992 to 1994. The rates from 1984 to 1994 are given below.

1984	85	86	87	88	89	90	91	92	93	94
2.6	2.4	2.3	2.2	2.0	2.0	1.9	1.8	1.7	1.7	1.7

3.9 Gross reproduction rate.

Gross reproduction rate is defined as the average number of female children that would be born to a woman during her life time, if she was to pass through her child bearing years conforming to the age specific fertility rate of the year. The gross reproduction rate of Kerala for the years 1984 to 1994 are given below.

1984	85	86	87	88	89	90	91	92	93	94
1.3	1.2	1.1	1.1	1.0	0.95	0.92	0.92	0.82	0.83	0.80

3.10 Net Reproduction Rate.

Net production rate is the average number of female children that would be born to a woman during her life time conforming to the age group by corresponding proportion of survivors as per life table for female and (L_x/l_x) then repeating the process as in the gross reproduction rate. Net reproduction rate for the years 1984 to 1994 is presented below.

Year	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
NRR	1.26	1.20	1.09	1.05	1.00	0.95	0.91	0.91	0.81	0.83	0.79

3.11 Still birth rate.

Still birth rate is defined as the number of still births to 1000 births.(Both live births and still birth). The still birth rate was estimated as 8.32 for the years as against 7.60 for the previous year. Still birth rates for northern and southern region were estimate as 10.39 and 6.33 respectively. The still birth rate of the state during the year under report is higher than that of the previous year. It reveals that the still birth rate in the state is increasing marginally.

3.12 Order of birth by age of mother.

The percentage distribution of birth by age of mother and order of births of child is given in Table 15 (appended) out of the total births 83.65 % of births come under the Ist and IInd order of births and 11.58% birth under IIIrd order of births. The corresponding % for the previous year was 81.16 and 12.71 respectively. The birth under seventh order and above during the year was only 0.39% as against 0.36% in the previous year.

3.13 Birth by type of Medical attention received

The percentage distribution of births by type of medical attention received during the year 1984 to 1994 are given in table number A4.

Table A4

Percentage distribution of births by type of medical attention received during the period 1984-1994

Year	Institution	Trained professional	Untrained professional	Non professional	Not stated
1984	73.3	9.2	13.6	3.7	0.2
1985	76.5	8.2	12.8	2.2	0.3
1986	80.2	6.3	9.7	3.7	0.1
1987	82.5	7.7	9.2	0.6	-
1988	83.1	6.8	7.9	2.0	0.2
1989	86.0	5.6	6.8	1.5	0.1
1990	89.1	3.6	5.6	1.4	0.3
1991	91.1	2.7	4.9	1.2	0.1
1992	94.5	1.8	3.2	0.4	0.1
1993	96.91	1.6	0.9	0.5	0.1
1994	91.9	5.4	2.2	0.2	0.3

It was observed that the number of people utilising the institutional facilities provided for maternal and child health increased year by year. About 91.9% of the births took place in medical institution during 1994 whereas the corresponding % for the previous year was 96.9. The distribution of number of births by various medical institution receives is given in Table 14 (appended)

The people of southern region utilized the institutional facilities more than those of the northern region. 87.37% people of the northern region and 96.41 % people of the southern region availed of the institutional medical facilities during the year. Where as the corresponding % for the previous year were 95.86% and 98.04% respectively. The service of untrained professional were utilized by 3.8% of people of the northern region and 0.69% of people of the southern region during the year as against 1.38% and 0.26% respectively during the previous year.

3.14 sex ratio at birth

The number of male children born to 1000 female children is defined as the sex ratio at birth. The sex ratio at birth for the year 1984 to 1994 are given below

Year	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Sex ratio	100.8	100.2	110.7	104.2	99.3	111.3	109.3	96.5	108.9	106.2	112.3

Sex ratio at birth in northern and southern region were 107 and 117.6 respectively as against 111.3 and 101.5 in the previous year

3.15 Child women ratio (C.W.R)

Child women ratio is defined as the estimated number of children in the age group (0-4) year per 1000 women in the reproductive age group (15-49).

Estimated number of children in the age group of (0-4) – 2314341. Estimated number of women in the age group 15-49 – 6742495. Child women ratio for the years 1984 to 1994 are given below

Year	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
CWR	390	377	378	383	376	368	368	352	346	353	343

3.16 Comparison of vital rates under SRS and CRS

Civil Registration System is the statutory system of recording the details of all births and deaths occurring in the state. On comparing the vital rates obtained under these two system it is seen that a considerable number of births and deaths are left unregistered under Civil Registration System. The birth rates and still birth rates arrived from the data collected through Sample Registration System and Civil Registration System for the year 1984 to 1994 are given in Table A5. The vital rates calculated from the data on C.R.S show that the rates were very high in urban areas when compared to that in the rural areas of the state. As in the part a good number of births and deaths of the resident population in rural area are seen registered in urban areas of the state in C.R.S

.Table A5

Vital rates under CRS and SRS in Kerala Rural for the years 1984 – 1994.

Year	Birth rates		Still birth rates	
	CRS	SRS	CRS	SRS
1984	13.8	23.7	4.9	10.5
1985	14.7	23.2	3.9	13.3
1986	13.5	22.6	2.9	14.0
1987	13.2	21.5	2.9	11.1
1988	13.0	19.9	2.4	11.7
1989	12.6	20.2	3.4	10.6
1990	11.6	19.6	4.5	8.6
1991	10.8	18.4	3.7	6.2
1992	9.6	17.6	3.0	10.3
1993	9.5	17.5	2.6	7.6
1994	9.1	17.26	2.04	8.32

3.17 Rate of marriage per 1000 population and percentage distribution according to age and sex

The rate of marriages and re marriages per 1000 population and % distribution of marriages according to age and sex are given in Table 30. The highest rate of first marriage to 1000 female population during the year was 55.39 in the age group of 20-24 as against 61.30 in the same age group during the pervious year. In the case of males the highest rate 52.58 was in the age group 25-29 as against 55.71 in the same age group during the previous year. The number of re-marriage were very less than that of first marriage.

Chapter 4

Mortality Measures

4.1 Crude death rate

The crude death rate is defined as the number of death per 1000 of mid year population. As in the case of births, the deaths occurring to usually resident members only were taken into account for calculating birth rates. The crude death rate for the year in rural Kerala was 5.95 as against 6.1 during 1993. The death rate in northern region was 5.33 and in southern region 6.42 respectively. The crude death rates for Rural Kerala and rural India for the years 1984 to 1994 is given in Table B1.

Crude death rates in Kerala rural and all India Rural for 1984 to 1994

Year	Kerala			All India Rural
	Northern Region	Southern Region	Combined	
1984	6.9	6.0	6.4	13.8
1985	6.8	6.4	6.6	13.0
1986	6.0	6.1	6.0	12.2
1987	6.1	6.1	6.1	12.0
1988	6.2	6.3	6.3	12.0
1989	6.0	6.1	6.1	11.1
1990	5.7	6.2	6.0	10.5
1991	5.8	6.5	6.2	10.6
1992	5.6	6.7	6.3	10.9
1993	5.3	6.6	6.1	10.5
1994	5.3	6.4	6.0	10.1

4.2 Death rate of neighbouring states

The death rate in the rural areas and the rural and urban areas combined estimated provisionally by the Registrar General of India in respect of the neighbouring states are given below in Table B2.

Table B2

Death rates of rural and rural and urban combined of neighbouring states – 1994.

State	Rural	Rural & Urban combined
Andra Pradesh	9.0	8.3
Karnataka	9.3	8.3
Tamil Nadu	9.0	8.0
Kerala	5.9	6.1
All India	10.1	9.3

4.3 Age specific death rate

Age specific death rate is the number of deaths in a specific age group in a particular year among 1000 persons of that age group. The age specific death rates of males and females in the two regions of the state are presented in Table – 19(b).

The age specific death rate was highest in the age group 70 and above, and lowest in the age group of 5-9 during the year 1994, as in the previous year.

As far as the males and females are concerned, the age specific death rates of males in all the age group except the age groups 1-4, 20-24, 25-29 and 70 and above were seen higher than those of females. Between the two regions the death rates in the age groups (70 and above) was comparatively high in the southern region. Similarly the death rate among males was higher (92.03) than that of the females (73.84) in the same age group.

4.4 Infant Mortality rate

Infant Mortality rate is the estimated number of deaths of infants below one year of age, out of 1000 live births in an year. The infant mortality rate for rural Kerala for the year 1984 to 1994 are furnished below.

Year	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
IMR	30.1	33.0	28.6	27.0	29.9	23.3	17.1	16.6	17.0	14.8	16.80

Infant mortality rate in northern and southern region were 17.30 and 16.51 respectively as against 15.65 and 13.93 in the previous year. It showing a slight decrease of 1.65 and 2.58 respectively.

4.5 Neo natal mortality rate

Neo natal mortality rate is defined as the estimated number of deaths of infants below 28 days of age per 1000 live births in an year. It is estimated as 12.6 during the year as against 12.0 during the previous year. Neo-natal death rate for males and females during the year was 15.4 and 9.6 respectively

4.6 Peri natal mortality rate

Peri natal mortality rate is defined as the estimated number of deaths of infants below 7 days of age per 1000 live births in an year. The peri natal mortality rate was

calculated as 10.5 as against 11.8 in the previous year. The peri natal, neo natal and infant mortality rates according to sex and region were given in table B3 below.

Table B 3
Peri natal, Neo natal and Infant Mortality rate

Region	Peri natal			Neo natal			Infant Mortality rate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Northern	11.6	10.5	9.5	14.9	9.0	12.1	15.8	12.6	14.2
Southern	14.1	7.2	11.4	15.7	10.2	13.2	16.5	12.1	14.5
State	12.9	7.8	10.5	15.4	9.6	12.6	16.1	12.4	14.4

4.7 Medical attention received before death

The percentage distribution of deaths according to medical attention received before death during the year 1984 to 1994 are given in table B4

Table B4
Percentage distribution of deaths according to type of medical attention received for the year 1984 to 1994

Year	Institutional	Qualified medical practitioner	Unqualified medical practitioner	None
1984	46	24	8	22
1985	49	23	11	17
1986	49	27	6	18
1987	47	28	7	18
1988	42	32	7	19
1989	43	31	6	20
1990	47	36	7	10
1991	45	35	5	15
1992	54	29	4	13
1993	58	21	4	17
1994	57	20	4	19

4.8 Comparison of rural mortality rate under Civil Registration System and SRS for the year from 1984 to 1994.

MORTALITY RATE UNDER CRS AND SRS

Year	Death rate		Infant mortality rate	
	CRS	SRS	CRS	SRS
1984	3.6	6.4	9.1	30.1
1985	4.0	6.6	9.1	33.0
1986	3.9	6.0	8.0	28.6
1987	4.0	6.1	8.2	27.0
1988	4.1	6.3	7.3	29.9
1989	4.2	6.1	8.2	23.3
1990	4.1	6.0	8.1	17.1
1991	4.3	6.2	7.5	16.6
1992	4.5	6.3	5.2	17.0
1993	4.3	6.1	5.8	14.8
1994	4.3	5.9	7.1	16.0

As in the case of birth rate, death rate and I.M.R. estimated under CRS one seen less than that of the S.R.S

4.9 Expectation of life based on age specific death rate for the last three year

Expectation of life in different age group is calculated in the life tables. Table number 31, 32 & 33 appended to this report represent the life tables in rural Kerala. The tables were prepared sex wise and population wise separately based on age specific death rates for the year 1992, 1993 & 1994. The expectation of life at birth for males, females and for both sex together were calculated as 64.3, 75.2 and 67.5 as against 68.3, 75.2 & 71.6 respectively during the previous year. Expectation of life of females is seen always higher than that of males. The expectation of life of male is less than that of female. The following table shows the expectation of life calculated for the last 10 years,

Expectation of life based on age specific death rates-1984 to 1994

Age specific death rates for the year			Males	Females	Both sex
1982	1983	1984	66.5	73.4	69.7
1983	1984	1985	66.7	72.5	68.9
1984	1985	1986	65.9	72.8	69.7
1985	1986	1987	67.1	73.1	70.1
1986	1987	1988	67.0	73.5	70.2
1987	1988	1989	67.6	73.9	70.6
1988	1989	1990	67.9	74.7	71.1
1989	1990	1991	68.1	74.7	71.3
1990	1991	1992	67.9	74.8	71.2
1991	1992	1993	68.3	75.2	71.6
1992	1993	1994	64.3	75.2	67.5

Table 1 – Mid year estimated Population, Births, Deaths and Vital rates - 1994

Stratum	Estimated Population, Births and Deaths					Estimated vital rates			
	Population	Births	Deaths	Still births	Infant deaths	Birth rate	Death rate	Still birth rate	Infant death rate
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>
IA	34619	605	101	-	-	17.48	2.92	-	-
IB	205007	3454	2118	111	-	16.85	10.33	31.14	-
IC	946274	19209	5044	97	194	20.30	5.33	5.02	10.10
ID	8961116	174800	46869	1871	2977	19.51	5.23	10.59	17.03
Northern region	10147016	198068	54132	2079	3171	19.52	5.33	10.39	16.01
II A	116956	2677	730	-	-	22.89	6.24	-	-
II B	333901	5610	3230	-	-	16.80	9.67	-	-
II C	1431766	22618	10306	182	547	15.80	7.2	7.98	24.18
II D	11401674	175389	71045	1133	2877	15.38	6.23	6.42	16.40
Southern Region	13284297	206294	85311	1315	3424	15.53	6.42	6.33	16.60
State	23431313	404362	139443	3394	6595	17.26	5.95	8.32	16.31

Table 2 – Sample Population and Estimated Population for each Stratum

Stratum	Observed Population in Samples in each Stratum		Estimated population for each Stratum	
	As on 1-7-94	As on 1-1-95	As on 1-7-94	As on 1-1-95
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
IA	687	692	34619	34871
IB	1840	1831	205007	204004
IC	9754	9743	946274	945207
ID	105349	105579	8961116	8980680
Northern region	117630	117845	10147016	10164762
II A	961	956	116956	116348
II B	1964	1968	333901	334581
II C	15699	15660	1431766	1428209
II D	130796	131134	11401674	11431139
Southern Region	149420	149718	13284297	13310277
State	267050	267563	23431313	23475039

Table 3 – Stratum wise Population according to Sex

Stratum	Observed Population			Estimated population		
	Male	Female	Total	Male	Female	Total
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
IA	331	356	687	16680	17939	34619
IB	894	946	1840	99607	105400	205007
IC	4642	5112	9754	450339	495935	946274
ID	50806	54543	105349	4321621	4639495	8961116
Northern region	56673	60957	117630	4888247	5258769	10147016
II A	477	484	961	58052	58904	116956
II B	931	1033	1964	158280	175621	333901
II C	7587	8112	15699	691943	739823	1431766
II D	62987	67809	130796	5490667	5911007	11401674
Southern Region	71982	77438	149420	6398942	6885355	13284297
State	128655	138395	267050	11287189	12144124	23431313

Table 4 – Mid year sample population and estimated population according to age and sex

Age group	Observed population			Estimated Population		
	Male	Female	Total	Male	Female	Total
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
0 – 1	2335	2121	4456	204477	186242	390719
1 – 4	11243	10709	21952	984360	939262	1923622
5 – 9	13066	12878	25944	1145276	1127007	2272283
10 – 14	13219	12962	26181	1158852	1135786	2294638
15 – 19	13582	13670	27252	1189780	1197029	2386809
20 – 24	12825	15308	28133	1123106	1340942	2464048
25 – 29	11430	13460	24890	1002954	1181283	2184237
30 – 34	9598	10772	20370	842388	946336	1788724
35 – 39	8504	9421	17925	745980	825632	1571612
40 – 44	7121	7713	14834	625689	678406	1304095
45 – 49	5891	6519	12410	518865	572867	1091732
50 – 54	5013	5339	10352	439987	468798	908785
55 – 59	4256	4977	9233	373091	438989	812080
60 – 64	3645	4093	7738	321185	359882	681067
65 – 69	2769	3201	5970	243616	282008	525624
70 +	4158	5252	9410	367583	463655	831238
Total	128655	138395	267050	11287189	12144124	23431313

Table 5 – Sex ratio and percentage distribution of population by age group 1981, 1993& 1994

Age group	1981		1993		1994	
	Sex ratio	Percentage population	Sex ratio	Percentage population	Sex ratio	Percentage population
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
0 – 4	978	10.8	959	10.10	947	9.88
5 – 9	975	11.5	1011	9.86	984	9.70
10 – 14	984	12.8	962	9.79	980	9.79
0 – 14	979	35.4	977	29.76	970	29.37
15 – 19	1092	11.7	1007	10.29	1006	10.19
20 – 24	1094	10.1	1207	10.48	1194	10.52
25 – 29	1086	8.1	1166	9.33	1178	9.32
30 – 34	1008	6.0	1098	7.68	1123	7.63
35 – 39	1089	5.5	1077	6.58	1107	6.71
40 – 44	1022	4.4	1092	5.49	1084	5.57
45 – 49	1035	4.6	1060	4.63	1104	4.66
50 – 54	996	4.4	1079	3.84	1065	3.88
55 – 59	992	2.9	1144	3.55	1177	3.47
60 – 64	1039	2.7	1144	2.81	1120	2.90
65 – 69	1123	2.1	1202	2.27	1158	2.24
70 +	1159	2.8	1297	3.30	1261	3.54
All	1020	100.00	1074	100.00	1076	100.00

Table 6 – Religion wise sample population and estimated population for each Stratum

Stratum	Observed Population				Estimated population			
	Hindu	Muslim	Christian	Total	Hindu	Muslim	Christian	Total
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
IA	375	127	185	687	18897	6400	9322	34619
IB	1321	514	5	1840	147182	57268	557	205007
IC	4774	4705	275	9754	463144	456451	26679	946274
ID	59976	36390	8983	105349	5101633	3095378	764105	8961116
Northern region	66446	41736	9448	117630	5730856	3615497	800663	10147016
II A	138	13	810	961	16795	1582	98579	116956
II B	1110	-	854	1964	188712	-	145189	333901
II C	8170	1158	6371	15699	745113	105611	581042	1431766
II D	75877	15314	39605	130796	6614307	1334943	3452424	11401674
Southern Region	85295	16485	47640	119420	7564927	1442136	4277234	13284297
State	151741	58221	57088	267050	13295783	5057633	5077897	23431313

Table 7 – Stratum wise Live births observed in samples and estimates according to Sex

Stratum	Observed in samples			Estimated		
	Male	Female	Total	Male	Female	Total
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
IA	8	4	12	403	202	605
IB	18	13	31	2006	1448	3454
IC	115	83	198	11157	8052	19209
ID	1044	101	2055	88804	85997	174801
Northern region	1185	1111	2296	102370	95699	198069
II A	13	9	22	1582	1095	2677
II B	16	17	33	2720	2890	5610
II C	124	124	248	11309	11309	22618
II D	1100	912	2012	95889	79500	175389
Southern Region	1253	1062	2315	111500	94794	206294
State	2438	2173	4611	213870	190493	404363

Table 8 – Estimated number of total Women, Married women and Live births in different reproductive age groups

Region	Age Group of Women							
	15-19	20-24	25-29	30-34	35-39	40-44	45-49	Total
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
– Estimated No. of total women								
I Northern Region	587623	596424	485086	390081	328961	267106	230029	2885310
II Southern Region	609406	744518	696197	556255	496671	411300	342838	3857185
State	1197029	1340942	1181283	946336	825632	678406	572867	6742495
– Estimated No. of married women								
I Northern Region	111891	354133	390682	332670	275817	221334	174210	1860737
II Southern Region	19489	339510	550533	500421	449597	354254	279821	2493625
State	131380	693643	941215	833091	725414	575588	454031	4354362
– Estimated No. of live births								
I Northern Region	20094	88717	59315	20843	7704	1226	170	198069
II Southern Region	6339	95125	79056	21210	3776	788	-	206294
State (All Births)	26433	183842	138371	42053	11480	2014	170	404363
State (Female Births)	12232	86909	65899	19820	5656	1122	85	191723

Table 9 – Age specific fertility rate, age specific marital fertility rate, GFR, TFR and GRR

Region	Age Group of womes						
	15-19	20-24	25-29	30-34	35-39	40-44	45-49
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
– Age specific fertility rate							
I Northern Region	34.19	148.75	122.28	53.43	23.42	4.59	0.74
II Southern Region	10.40	127.77	113.55	38.13	7.60	1.92	-
State (All births)	22.08	137.10	117.13	44.44	13.90	2.97	0.30
State (Female births)	10.20	64.81	55.79	20.94	6.85	1.65	0.15
– Age specific marital fertility rate							
I Northern Region	179.59	250.52	151.82	62.65	27.93	5.54	0.98
II Southern Region	325.26	280.18	143.60	42.38	8.40	2.22	-
State (All births)	201.19	265.04	147.01	50.48	15.83	3.50	0.37

	Northern Region	Southern Region	State
G.F.R	68.65	53.48	59.97
T.F.R	1.94	1.50	1.69
G.R.R.			0.80

Table 10 - Distribution of currently married women observed according to age and number of surviving children 1994

Age group of mother	No. of surviving children							Total
	1	2	3	4	5	6	7 & above	
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
15-19	268	28	3	3	1	-	-	303
20-24	1330	420	310	26	4	2	1	2093
25-29	590	390	266	165	135	18	11	1575
30-34	160	160	91	50	12	5	5	483
35-39	20	35	25	30	14	3	5	132
40-44	2	3	8	3	2	2	3	23
45-49	-	-	-	-	-	1	1	2
Total	2370	1036	703	277	168	31	26	4611

Table 11 – Distribution of currently married women observed in samples according to age and children ever born - 1994

Age group of mother	Number of children ever born							
	1	2	3	4	5	6	7 & above	Total
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
15-19	261	29	13	-	-	-	-	303
20-24	1298	676	109	10	-	-	-	2093
25-29	654	566	267	58	25	3	2	1575
30-34	101	190	128	33	18	10	3	483
35-39	35	39	12	15	10	10	11	132
40-44	3	5	5	6	2	1	1	23
45-49	-	-	-	-	1	-	1	2
Total	2352	1505	534	122	56	24	18	4611

Table 12 – Distribution of currently married women observed in samples according to age of mother and age of the last child

Age group	Age of last child (in months)									Total
	0-14	15-29	30-44	45-59	60-74	75-89	90-104	105-119	120-134	
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>
15-19	290	9	2	1	-	-	-	-	-	303
20-24	1308	406	229	98	45	5	1	1	-	2093
25-29	620	360	252	168	122	27	11	10	5	1575
30-34	130	85	93	63	59	17	15	7	14	483
35-39	34	27	10	9	27	5	3	4	13	132
40-44	4	5	4	4	1	-	-	1	4	23
45-49	-	-	1	-	-	1	-	-	-	2
Total	2386	892	591	343	254	56	30	23	36	4611

Table 13 – Live births observed in samples classified by month of occurrence

Stratum	Number of live births reported from samples												
	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>
1A	4	2	2	-	-	-	-	-	1	1	1	1	12
1B	3	3	3	3	6	2	1	1	-	7	1	1	31
1C	26	22	16	14	19	21	19	14	15	9	12	11	198
1D	194	188	235	205	209	190	192	135	108	150	123	126	2055
Northern region	227	215	256	222	234	213	212	150	124	167	137	139	2296
II A	1	1	3	3	-	-	-	1	3	6	2	2	22
II B	3	1	4	4	3	3	2	1	1	1	6	4	33
II C	16	18	26	20	26	23	18	21	26	26	14	14	248
II D	226	194	195	188	170	159	178	164	123	143	148	124	2012
Southern Region	246	214	228	215	199	185	198	187	153	176	170	144	2315
State	473	429	484	437	433	398	410	337	277	343	307	283	4611

Table 14 – Live births observed in samples by type of medical attention at delivery

Stratum	Type of medical attention					
	Institutional	Trained professional	Untrained professional	Non professional	Not stated	Total
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
1A	12	-	-	-	-	12
1B	29	2	-	-	-	31
1C	186	7	5	-	-	198
1D	1779	181	83	-	12	2055
Northern region	2006	190	88	-	12	2296
II A	22	-	-	-	-	22
II B	33	-	-	-	-	33
II C	236	12	-	-	-	248
II D	1941	46	16	8	1	2012
Southern Region	2232	58	16	8	1	2315
State	4238	248	104	8	13	4611

Table 15 – Percentage distribution of births by age of mother and order of births of child

Age group	Order of births							
	1 st	2 nd	3 rd	4 th	5 th	6 th	7 & above	Total
<i>I</i>	2	3	4	5	6	7	8	9
15-19	86.14	9.57	4.29	-	-	-	-	100.00
20-24	60.02	32.30	5.20	0.48	-	-	-	100.00
25-29	41.52	35.94	16.95	3.68	1.59	0.19	0.13	100.00
30-34	20.91	39.34	26.50	6.83	3.73	2.07	0.62	100.00
35-39	26.52	29.55	9.09	11.36	7.58	7.58	8.32	100.00
40-44	13.04	21.74	21.74	26.09	8.69	4.35	4.35	100.00
45-49	-	-	-	-	50.00	-	50.00	100.00
All ages	51.01	32.64	11.58	2.65	1.21	0.52	0.39	100.00

Table 16 – Distribution of samples according to birth rate of each sample

Birth Rate	Northern Region		Southern Region		State					
	No.	%	No.	%	1994		1993		1992	
					No.	%	No.	%	No.	%
<i>I</i>	2	3	4	5	6	7	8	9	10	11
Less than 12	9	14.75	20	22.47	29	19.33	21	14.00	15	10.00
12 & less than 16	25	40.98	40	44.94	65	43.33	46	30.67	57	38.00
16 & less than 20	15	24.59	21	23.60	36	24.00	43	28.67	36	24.00
20 & less than 24	7	11.48	7	7.87	14	9.34	28	18.67	29	19.30
24 & less than 28	2	3.28	1	1.12	3	2.00	6	4.00	10	6.70
28 & less than 32	1	1.64	-	-	1	0.67	4	2.67	2	1.30
32 & less than 36	2	3.28	-	-	2	1.33	2	1.32	1	0.70
36 & less than 40	-	-	-	-	-	-	-	-	-	-
40 & less than 44	-	-	-	-	-	-	-	-	-	-
44 & above	-	-	-	-	-	-	-	-	-	-
Total	61	100.0	89	100.0	150	100.0	150	100.0	150	100.0

Table 17 – Still Births observed in samples and estimated according to sex and still birth rates

Stratum	Still births observed			Still births estimated			Total estimated no. of live births and still births	Still birth rate
	Male	Female	Total	Male	Female	Total		
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>
1A	-	-	-	-	-	-	605	-
1B	-	1	1	-	111	111	3565	31.14
1C	-	1	1	-	97	97	19306	5.02
1D	12	10	22	1021	850	1871	176672	10.59
Northern region	12	12	24	1021	1058	2079	200148	10.39
II A	-	-	-	-	-	-	2677	-
II B	-	-	-	-	-	-	5610	-
II C	2	-	2	182	-	182	22800	7.98
II D	6	7	13	523	610	1133	176522	6.42
Southern Region	8	7	15	705	610	1315	207609	6.33
State	20	19	39	1726	1668	3394	407757	8.32

Table 18 – Stratum wise deaths observed on samples and estimated according to sex

Stratum	Deaths observed in samples			Estimated number of deaths		
	Male	Female	Total	Male	Female	Total
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
1A	2	-	2	101	-	101
1B	9	10	19	1003	1114	2117
1C	22	30	52	2134	2911	5045
1D	305	246	551	25944	20925	46869
Northern region	338	286	624	29182	24950	54132
II A	3	3	6	365	365	730
II B	11	8	19	1870	1360	3230
II C	59	54	113	5381	4925	10306
II D	462	353	815	40273	30772	71045
Southern Region	535	418	953	47889	37422	85311
State	873	704	1577	77071	62372	139443

Table 19 (a) – Distribution of death observed in samples according to age and sex

Age group	Northern Region			Southern Region			State		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>
Below 1	24	15	39	28	19	47	52	34	86
1 – 4	1	1	2	3	4	7	4	5	9
5 – 9	3	-	3	1	1	2	4	1	5
10 – 14	5	3	8	1	1	2	6	4	10
15 – 19	8	5	13	4	5	9	12	10	22
20 – 24	6	6	12	9	14	23	15	20	35
25 – 29	4	8	12	8	7	15	12	15	27
30 – 34	10	4	14	14	7	21	24	11	35
35 – 39	14	3	17	18	6	24	32	9	41
40 – 44	10	7	17	18	9	27	28	16	44
45 – 49	18	6	24	21	9	30	39	15	54
50 – 54	10	17	27	26	10	36	36	27	63
55 – 59	30	18	48	37	13	50	67	31	98
60 – 64	27	28	55	50	24	74	77	52	129
65 – 69	32	30	62	53	38	91	85	68	153
70 & above	136	135	271	244	251	495	380	386	766
All	338	286	624	535	418	953	873	704	1577

Table 19 (b) – Distribution of estimated death according to age and sex

Age group	Northern Region			Southern Region			State		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>
Below 1	1883	1288	3171	2187	1237	3424	4070	2525	6595
1 – 4	221	85	306	523	785	1308	744	870	1614
5 – 9	255	-	255	87	87	174	342	87	429
10 – 14	425	281	706	87	87	174	512	368	880
15 – 19	693	425	1118	349	470	819	1042	895	1937
20 – 24	522	510	1032	788	1220	2008	1310	1730	3040
25 – 29	352	704	1056	706	610	1316	1058	1314	2372
30 – 34	851	340	1191	1237	614	1851	208	954	3042
35 – 39	1288	255	1543	1577	527	2104	2865	782	3647
40 – 44	863	607	1470	1569	796	2365	2432	1403	3835
45 – 49	1543	510	2053	1838	785	2623	3381	1295	4676
50 – 54	863	1523	2386	2436	964	3400	3299	2487	5786
55 – 59	2624	1570	4194	3242	1141	4383	5866	2711	8577
60 – 64	2385	2445	4830	4379	2179	6558	6764	4624	11388
65 – 69	2787	2639	5426	4682	3450	8132	7469	6089	13558
70 & above	11627	11768	23395	22202	22470	44672	33829	34238	68067
All	29182	24950	54132	47889	37422	85311	77071	62372	139443

Table 20 –Age Specific death rates based on estimated values

Age Group	Northern Region	Southern Region	State		
			Total	Male	Female
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
Below 1	17.30	16.51	16.80	19.90	13.56
1 – 4	0.32	1.35	0.84	0.76	0.93
5 – 9	0.23	0.15	0.19	0.29	0.08
10 – 14	0.64	0.15	0.38	0.44	0.32
15 – 19	1.02	0.65	0.81	0.88	0.75
20 – 24	0.93	1.48	1.23	1.17	1.29
25 – 29	1.15	1.04	1.09	1.05	1.11
30 – 34	1.64	1.75	1.70	2.48	1.01
35 – 39	2.50	2.21	2.32	3.84	0.95
40 – 44	2.85	3.00	2.94	3.89	2.07
45 – 49	4.81	3.95	4.28	6.52	2.26
50 – 54	6.74	6.13	6.37	7.50	5.31
55 – 59	14.05	8.53	10.56	15.72	6.18
60 – 64	20.08	14.89	16.72	21.06	12.85
65 – 69	31.50	23.01	25.79	30.66	21.59
70 & Above	85.44	80.14	81.89	92.03	73.84
All	5.33	6.42	5.95	6.83	5.14

Table 21 –Death observed in Samples classified by month of occurrence 1994

Stratum	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>
1A	-	-	-	-	-	-	-	-	1	-	1	-	2
1B	1	-	3	2	2	1	4	2	-	-	2	2	19
1C	8	4	-	3	3	2	12	5	2	3	3	7	52
1D	69	60	39	44	25	57	60	58	45	22	26	46	551
Northern region	78	64	42	49	30	60	76	65	48	25	32	55	624
II A	2	-	-	1	-	1	-	-	2	-	-	-	6
II B	2	-	-	1	-	2	2	3	2	4	3	-	19
II C	13	8	7	6	6	8	17	10	14	8	9	7	113
II D	76	82	77	67	52	75	76	73	66	56	51	64	815
Southern Region	93	90	84	75	58	86	95	86	84	68	63	71	953
State	171	154	126	124	88	146	171	151	132	93	95	126	1577

Table 22 –Deaths classified by type of medical attention

Stratum	Type of Medical attention				Total
	Institutional	Qualified Medical Practitioner	Un-Qualified Medical Practitioner	No treatment	
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
1A	1	1	-	-	2
1B	7	5	-	7	19
1C	38	3	8	3	52
1D	302	73	23	153	551
Northern region	348	82	31	163	624
II A	3	1	2	-	6
II B	3	14	-	2	19
II C	70	14	2	27	113
II D	470	205	32	108	815
Southern Region	546	234	36	137	953
State	894	316	67	300	1577

Table 23 –Number of units and population in the univers and the samples

Stratum	Universe		Samples		Percentage of sample population	Raising factor for stratum estimates p/p
	No. of Census villages	Population (1981)	No. of Units selected	Population (1981)		
<i>I</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
1A	73	33158	2	658	1.98	50.39210
1B	217	171582	2	1540	0.90	111.41688
1C	519	773395	6	7972	1.03	97.01392
1D	1265	7421252	51	87246	1.17	85.06123
Northern region	2074	8399387	61	97416	1.16	-
II A	260	87991	2	723	0.82	121.70263
II B	415	325570	3	1915	0.59	170.01044
II C	894	1353880	10	14845	1.09	91.20108
II D	2134	10515577	74	120631	1.15	87.17143
Southern Region	3703	12283018	89	138114	1.12	-
State	5777	20682405	150	235530	1.14	-

Table 24 – Infant death observed and estimated according to sex and infant mortality rate

Stratum	Infant death observed			Infant death estimated			Estimated live birth			Infant mortality rate		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
I	2	3	4	5	6	7	8	9	10	11	12	13
1A	-	-	-	-	-	-	403	202	605	-	-	-
1B	-	-	-	-	-	-	2006	1448	3454	-	-	-
1C	1	1	2	97	97	194	11157	8052	19209	8.69	12.05	10.10
1D	21	14	35	1786	1191	2977	88804	85997	174801	20.11	13.85	17.03
Northern region	22	15	37	1883	1288	3171	102370	95699	198069	18.39	13.46	16.01
II A	-	-	-	-	-	-	1582	1095	2677	-	-	-
II B	-	-	-	-	-	-	2720	2890	5610	-	-	-
II C	2	4	6	182	365	547	11309	11309	22618	16.09	32.28	24.18
II D	23	10	33	2005	872	2877	95889	79500	175389	20.91	10.97	16.40
Southern Region	25	14	39	2187	1237	3424	111500	94794	206294	19.61	13.05	16.60
State	47	29	76	4070	2525	6595	213870	190493	404363	19.03	13.26	16.31

**Table 25 – Number of infant deaths observed in samples of children born during
the current year and previous year 1994**

Stratum	Born in 1993												Born in 1994											
	Less than 7 days				Less than 28 days				Less than one year				Less than 7 days				Less than 28 days				Less than one year			
	Male	Fe- male	Total		Male	Fe- male	Total		Male	Fe- male	Total		Male	Fe- male	Total		Male	Fe- male	Total		Male	Fe- male	Total	
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northern region	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IIB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southern Region	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 26 – Estimated number of infant deaths for the year 1994 of children born during the current year and previous year

Stratum	Born in 1993												Born in 1994											
	Less than 7 days				Less than 28 days				Less than one year				Less than 7 days				Less than 28 days				Less than one year			
	Male	Fe- male	Total		Male	Fe- male	Total		Male	Fe- male	Total		Male	Fe- male	Total		Male	Fe- male	Total		Male	Fe- male	Total	
I	2	3	4	5	6	7	-	8	9	10	-	11	12	13	14	15	16	17	18	19	-	-	-	-
IA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IC	-	-	-	-	-	-	97	-	-	97	-	-	97	97	-	97	97	-	-	97	-	-	97	97
ID	-	-	-	-	-	-	170	170	85	255	1191	595	1786	1531	766	2297	1616	1106	2722	-	-	-	-	-
Northern region	-	-	-	-	-	-	267	267	85	352	1191	692	1883	1531	863	2394	1616	1203	2819	-	-	-	-	-
II A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
II B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
II C	-	-	-	-	-	-	-	-	-	-	91	-	91	183	182	365	182	365	547	-	-	-	-	-
II D	-	-	-	-	-	-	349	349	87	436	1482	785	2266	1569	785	2354	1656	785	2441	-	-	-	-	-
Southern Region	-	-	-	-	-	-	349	349	87	436	1573	785	2357	1752	967	2719	1838	1150	2988	-	-	-	-	-
State	-	-	-	-	-	-	616	616	172	788	2764	1477	4240	3283	1830	5113	3454	2353	5807	-	-	-	-	-

Table 27 – Estimated number of Perinatal, Neonatal Post neonatal infant death according to sex

Stratum	Estimated number of infant deaths									
	Less than 7 days			Less than 28 days			Less than one year			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total
<i>I</i>	2	3	4	5	6	7	8	9	10	
I	1191	692	1883	1531	863	2394	1883	1288	3171	
II	1573	785	2357	1752	967	2719	2187	1237	3424	
Total	2764	1477	4240	3283	1830	5113	4070	2525	6595	

Table 28— Birth and death detected through overlapping survey and intensive enquiry classified according to place and type of births and deaths 1994

Stratum	Birth						Death			
	Total	Place		Kind		Total	Place		Kind	
		In	Out	Live births	Still births		In	Out	Infant deaths	Other deaths
I	2	3	4	5	6	7	8	9	10	11
IA	-	-	-	-	-	-	-	-	-	-
IB	-	-	-	-	-	-	-	-	-	-
IC	6	1	5	6	-	1	-	1	-	1
ID	50	3	47	49	1	11	1	10	1	10
Northern region	56	4	52	55	1	12	1	11	1	11
IIA	1	-	1	1	-	-	-	-	-	-
IIB	-	-	-	-	-	-	-	-	-	-
IIC	4	-	4	4	-	-	-	-	-	-
IID	25	2	23	25	-	8	-	8	1	7
Southern Region	30	2	28	30	-	8	-	8	1	7
State	86	6	80	85	1	20	1	19	2	18

Table 29 – Distribution of Births and Deaths recorded by Enumerator and Supervisor, detected through overlapping survey and intensive enquiry 1994

Items	Births			Deaths		
	Northern Region	Southern Region	State	Northern Region	Southern Region	State
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
Common to enumerator & supervisor	1528	1677	3205	481	762	1243
Registered by enumerator	170	68	238	32	24	56
%	(7.4)	(2.20)	(5.16)	(5.13)	(2.52)	(3.55)
Listed by supervisor	532	532	1064	98	158	256
%	(23.17)	(22.99)	(23.08)	(15.71)	(16.58)	(16.42)
Total omitted by enumerator & supervisor	-	-	-	-	-	-
Detected by others	10	8	18	1	1	2
Overlapping survey	56	30	86	12	8	20
Intensive enquiry	-	-	-	-	-	-
Total	2296	2315	4611	624	953	1577

Table 30 – Distribution of rate of marriage per thousand population and percentage distribution of marriage according to age and sex 1994

Age group	Rate of marriage per 1000 population										Percentage					
	First marriage		Remarriage		All marriage		First marriage		Remarriage		All marriage					
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female				
1	2	3	4	5	6	7	8	9	10	11	12	13				
15 – 19	0.07	25.82	-	0.15	0.07	25.97	0.07	20.46	-	12.50	0.08	20.39				
20 – 24	16.30	55.39	0.39	0.26	16.69	55.66	16.51	49.16	25.00	25.00	16.64	48.94				
25 – 29	52.58	32.76	0.09	0.30	52.67	33.06	47.48	25.57	5.00	25.00	46.81	25.56				
30 – 34	40.84	6.78	0.31	0.37	41.15	7.15	30.98	4.23	15.00	25.00	30.72	4.42				
35 – 39	6.35	0.85	0.47	0.21	6.82	1.06	4.27	0.46	20.00	12.50	4.51	0.57				
40 – 44	1.26	0.26	0.98	-	2.25	0.26	0.71	0.12	35.00	-	1.24	0.12				
45 – 49	-	-	-	-	-	-	-	-	-	-	-	-				
15 – 49	20.08	24.52	0.32	0.23	20.39	24.75	100.0	100.0	100.0	100.0	100.0	100.0				
							0	0	0	0	0	0				

Table 31 - Life Tables of Males based on Age specific Death rates for the year 1992, 1993 and 1994

Age group x to x+n	Age specific death rate			Mean age specific death rate (unit) m_{mx}	Probability of person aged x dying before age x+n (q_x)	No. of death (dx)	No. surviving to age x out of 100000 born alive (lx)	Year of life lived between x & x+n (Lx)	Year of life lived between x and above x (Tx)	Expectation of life in year (Ex)	Beginning age x
	1992	1993	1994								
1	2	3	4	5	6	7	8	9	10	11	12
Less than 1	21.11	17.68	19.90	0.01956	0.01905	1956	100000	98340	6424630	64.25	0
1-4	1.18	0.88	0.76	0.00094	0.00375	368	98044	391440	6326290	64.53	1
5-9	1.06	0.24	0.29	0.00053	0.00265	259	97676	487733	5934850	60.76	5
10-14	0.59	0.23	0.44	0.00042	0.00210	205	97417	486573	5447117	55.77	10
15-19	0.73	0.72	0.88	0.00078	0.00389	376	97212	485120	5398460	55.53	15
20-24	1.40	0.57	1.17	0.00105	0.00524	507	96836	482913	4913340	50.74	20
25-29	1.11	1.14	1.05	0.00111	0.00548	528	96329	480325	4430427	45.99	25
30-34	2.09	1.92	2.48	0.00216	0.01074	1029	95801	476433	3950102	41.23	30
35-39	2.98	1.88	3.84	0.0029	0.01440	1365	94772	470448	3473669	36.65	35
40-44	4.41	3.24	3.89	0.00385	0.01907	1781	93407	462583	3003221	32.15	40
45-49	6.75	5.92	6.52	0.00640	0.03150	2886	91626	450915	2540638	27.72	45
50-54	12.79	8.29	7.50	0.00953	0.04654	4130	88740	433375	2089723	23.55	50
55-59	17.65	18.28	15.72	0.01722	0.08255	6985	84610	405588	1656348	19.58	55
60-64	2136	27.29	21.06	0.02324	0.10982	8525	77625	366813	1250760	16.11	60
65-69	40.04	38.32	30.6	0.03634	0.16657	11510	69100	316725	883947	12.79	65
70 & above	99.52	113.05	92.03	0.10153	1.00000	57590	57590	567222	567222	9.85	70

Table 32 – Life Tables of Females based on Age specific Death rates for the year 1992, 1993 and 1994

Age group x to x+n	Age specific death rate			Mean age specific death rate (unit) nmx	Probability of person aged x dying before age x+n (qx)	No. of death (dx)	No. surviving to age x out of 100000 born alive (lx)	Year of life lived between x & x+n (Lx)	Year of life lived between x and above x (Tx)	Expectation of life in year (Ex)	Beginning age x
	1992	1993	1994								
1	2	3	4	5	6	7	8	9	10	11	12
Less than 1	11.46	11.70	13.56	0.01224	0.01322	1322	100000	98768	752282	75.2	0
1-4	0.76	0.91	0.93	0.00087	0.00347	342	98678	394028	742414	75.2	1
5-9	0.76	0.45	0.08	0.00043	0.00215	211	98336	491153	7030086	71.49	5
10-14	0.68	0.54	0.32	0.00051	0.00255	250	98125	490000	6538933	66.64	10
15-19	0.86	0.36	0.75	0.00066	0.00329	322	97875	488570	6048933	61.80	15
20-24	1.23	0.73	1.29	0.00108	0.00539	526	97553	486450	5560363	57.00	20
25-29	0.93	1.04	1.11	0.00103	0.00514	49	97027	483888	5073913	52.29	25
30-34	1.10	0.64	1.01	0.00095	0.00474	458	96528	481495	4590025	47.55	30
35-39	1.01	0.88	0.95	0.00092	0.00459	441	96070	479248	4108530	42.77	35
40-44	8.36	2.35	2.07	0.00426	0.02108	2016	95629	473105	3629282	37.95	40
45-49	3.50	2.20	2.26	0.00265	0.01316	1232	93613	464985	3156177	33.72	45
50-54	5.89	5.34	5.31	0.00551	0.02718	2511	92381	455628	2691192	29.13	50
55-59	5.75	6.72	6.18	0.00622	0.03062	2752	89870	442470	2235564	24.88	55
60-64	11.90	13.74	12.85	0.01283	0.06216	5415	87118	422053	1793094	20.58	60
65-69	21.30	16.64	21.59	0.01984	0.09451	7422	81703	389210	1371041	16.78	65
70 & above	75.94	76.26	73.84	0.07335	1.00000	73981	73981	981831	981831	13.27	70

Table 33 – Life Tables of persons based on Age specific Death rates for the year 1992, 1993 and 1994

Age group x to x+n	Age specific death rate			Mean age specific death rate (unit) nm_x	Probability of person aged x dying before age x+n (q_x)	No. of death (dx)	No. surviving to age x out of 100000 born alive (l_x)	Year of life lived between x & x+n (L_x)	Year of life between x and above x (T_x)	Expectation of life in year (E_x)	Beginning age x
	1992	1993	1994								
1	2	3	4	5	6	7	8	9	10	11	12
Less than 1	16.30	14.76	16.80	0.01595	0.01629	1629	100000	98566	6747468	67.47	0
1 – 4	1.11	0.89	0.84	0.00095	0.00757	745	98371	391994	6648902	67.59	1
5 – 9	0.80	0.35	0.19	0.00045	0.00225	220	97626	487580	6256908	64.09	5
10 – 14	0.63	0.38	0.38	0.00046	0.00230	224	97406	486470	5769328	59.23	10
15 – 19	0.80	0.54	0.81	0.00072	0.00359	349	97182	485038	5282858	54.36	15
20 – 24	1.30	0.66	1.23	0.00106	0.00529	512	96833	482885	4797820	49.81	20
25 – 29	1.01	1.08	1.09	0.00106	0.00529	510	96321	480330	4314935	44.80	25
30 – 34	1.65	1.25	1.70	0.00153	0.00762	730	95811	477230	3834605	40.02	30
35 – 39	1.96	1.36	2.32	0.00188	0.00936	890	95081	473180	3357375	35.31	35
40 – 44	3.35	2.78	2.94	0.00302	0.01499	1412	94191	467425	2884195	30.62	40
45 – 49	5.06	4.01	4.28	0.00445	0.02201	2042	92779	458790	2837470	30.58	45
50 – 54	9.19	6.76	6.37	0.00744	0.03652	3314	90737	445400	2378680	26.22	50
55 – 59	11.32	12.11	10.56	0.01133	0.05509	4816	87423	425076	1933280	22.11	55
60 – 64	16.31	20.06	16.72	0.01770	0.08475	7001	82607	395533	1508204	18.26	60
65 – 69	29.94	26.49	25.79	0.02741	0.12826	9697	75606	353788	1112671	14.72	65
70 & above	86.38	92.27	81.89	0.08685	1.00000	65909	65909	758883	758883	11.51	70

Table 34 - Number of units and population in the universe and the samples4

Stratum	Universe		Samples		Percentage of sample population	Raising factor for stratum estimate population p/p
	No. of Census villages	Population 1981	No. of units selected	Population 1981		
I	2	3	4	5	6	7
I A	73	33158	2	658	1.98	50.39210
B	217	171582	2	1540	0.90	111.41688
C	519	773395	6	7972	1.03	97.01392
D	1265	7421252	51	87246	1.17	85.06123
Northern Region	2074	8399387	61	97416	1.16	
II A	2609	87991	2	723	0.82	121.70263
B	415	325570	3	1915	0.59	170.01044
C	894	1353880	10	14845	1.09	91.20108
D	2134	10515577	74	120631	1.15	87.17143
Southern Region	3703	12283018	89	138114	1.12	
State	5777	20682405	150	235530	1.14	

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