SAMPLE REGISTRATION SYSTEM STATISTICAL REPORT 1996

REGISTRAR GENERAL, INDIA NEW DELHI

PREFACE

In the absence of dependable data from the Civil Registration System (CRS) in India, the Sample Registration System (SRS) has been the main source of information on fertility and mortality indicators at state and national levels. The SRS mechanism involves collection of data through two different procedures viz., continuous enumeration and retrospective half-yearly surveys followed by a process of matching of the two records and subsequent field verification of unmatched and partially matched events. The methodology provides a cross-check on the correctness and completeness of events of births and deaths listed in both the records.

This report while presenting data for the year 1996 gives a detailed account of the salient features of the SRS along with other aspects connected with its implementation. It also gives an analysis of population composition by broad age groups, sex and marital status, fertility and mortality levels by sex and broad age groups etc., for India and major states. The report also gives items of demographic interest such as mean age at effective marriage for females, interval between current live birth and previous live birth and also distribution of live births by birth order. These additional items are being collected through SRS from 1990 onwards on the basis of certain recommendations of a Technical Committee. Besides, data on fertility by level of education of the women have been included in the report for the first time with a view to study the impact of female education on fertility. I am sure these new items will be of much interest to demographers and other data users.

The SRS is a joint effort of the Central and State Governments and this study has been possible with the active involvement of staff and officers of the Directorates of Economics & Statistics of Kerala and Maharashtra as well as the staff and officers of the Directorates of Census Operations and the SRS Wing of the Vital Statistics Division at the headquarters. This report has been processed and prepared on personal computers and has come out as the collective effort of all staff members. I am happy to place on record my appreciation of the efforts put in by Shri A.K. Saxena, Assistant Director, Km. Prabha, Data Entry Operator and Smt. Shashi Chawla, Stenographer in the preparation of this report under the overall guidance of Shri S.K. Sinha, Deputy Registrar General.

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Dr. M. Vijayanunni Registrar General, India

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DEFINITIONS

Crude birth rate	_	Number of live births during the year			
(CBR)	#	Mid-year population			
A no ampaisio samilier	_	Number of live births in a particular age-group			
Age-specific fertility rate (ASFR)	=	Mid-year female population of the same age-group			
Canaral fartility rate	_	Number of live births in a year			
General fertility rate (GFR)	=	Mid-year female population in the age-group (15-49) years			
		45-49			
		5 x Σ ASFR			
		15-19			
Total fertility rate	=	1000			
(TFR)		1000			
		45-49			
		5 x Σ ASFR for female live births			
		15-19			
Gross reproduction	=				
rate (GRR)		1000			
Age-specific marital	=	Number of live births in a particular age-group			
fertility rate (ASMFR)	-	Mid-year married female population of the			
		same age-group			
General marital	_	Number of live births in a year x 1000			
fertility rate (GMFR)	=	Mid-year married female population in the age-group (15-49) year			
		45.49			
		5 x Σ ASMFR			
		15-19			
Total marital fertility	=				
Rate (TMFR)		1000			

Crude death rate	_	Number of deaths during the year 1000
(CDR)	-	Mid-year population
Age-specific mortality	=	Number of deaths in a particular age-group
rate (ASMR)		Mid-year population of the same age-group
Infant mortality rate	=	Number of infant deaths during the year
(IMR)		Number of live births during the year

Infant mortality rate comprises of two parts viz. Neo-natal mortality rate and Post neo-natal mortality rate. The neo-natal mortality rate also comprises of two part viz. Early neo-natal mortality rate and late neo-natal mortality rate. These are defined as:

NToo matel manufaction		Number of infant deaths of less than 29 days during the year
Neo-natal mortality rate (NMR)	=	Number of live births during the year
Early neo natal	_	Number of infant deaths of less than 7 days during the year x 1000
mortality rate	=	Number of live births during the year
Late neo-natal	_	Number of infant deaths of 7 days to less 29 days during the yearx 1000
mortality rate	=	Number of live births during the year
Post neo-natal	_	Number of deaths of 29 days to less than one year during the year x 1000
mortality rate (PNMR)	_	Number of live births during the year
Peri-natal mortality	_	Number of still births and infant deaths of less than 7 days during the year
rate (PMR)	=	Number of live births and still births during the year
Still birth rate	=	Number of still births during the year x 1000
(SBR)		Number of live births and still births during the year

FIGURES AT A GLANCE, INDIA - 1996

	Item	Total	Rural	Urban
I.	Per cent distribution of population by broad age groups			
	0-14	36.4	37.7 55.2	32.1 62.0
	15-59 60+	56.8 6.8	55.2 7.1	6.0
II.	Fertility Indicators			
	Crude Birth Rate	27.5	29.3	21.6
	General Fertility Rate	112.5	122.7 3.7	81.5 2.4
	Total Fertility Rate	3.4 1.6	1.8	1.1
	Gross Reproduction Rate General Marital Fertility Rate	146.3	155.4	115.6
	Total Marital Fertility Rate	4.7	4.9	4.1
	Mean age at effective marriage for females	19.4	19.0	20.7
III.	Total Fertility Rate by level of education of the mother			
	Illiterate	4.3	4.4	3.6
	Literate	2.4	2.7	2.0
	Without formal education	3.3	3.4	3.0
	Below class X	2.6	2.7	2.3
	Class X-XII	2.0	2.3	1.7
	Above class XII	1.7	2.0	1.5
IV.	Per cent distribution of live births by birth order			
	1	30.7	29.3	36.4
	2 3	25.9	25.1	28.8
		18.2	18.8	16.3
	4+	25.2	26.6	18.4
V.	Per cent distribution of Current live births by birth interval (in months)			
	10-12	1.1	1.2	0.8
	12-18	7.3	7.2	7.9
	18-24	11.5	11.0	14.0
	24-30	20.8	20.4	22.5
	30-36	8.3	8.1	9.0
	36+	51.1	52.1	45.8

FIGURES AT A GLANCE, INDIA - 1996

	Item	Total	Rural	Urban
VI.	Mortality Indicators			
	Crude Death Rate	9.0	9.7	6.5
	Percentage of infant deaths to total deaths	21.9	23.3	15.2
	Percentage of deaths of less than one week to total infant deaths	48.6	48.3	50.5
	Infant Mortality Rate	72	77	46
	Neo-natal mortality rate	47	50	28
	Early neo-natal mortality rate	35	37	23
	Late neo-natal mortality rate	12	13	5
	Post neo-natal mortality rate	25	27	18
	Peri-natal Mortality Rate	42	44	30
	Still Birth Rate	9	9	9
VII.	Percentage distribution of births by type of medical attention at delivery		•	
	Institutional	25.2	17.7	59.5
	Doctor, nurse or trained midwife	28.5	27.9	31.1
	Traditional birth attendants	41.9	49.5	7.8
	Relatives and others	4.4	5.0	1.6
VIII.	Percentage distribution of deaths by type of medical attention before death			
	Institutional	19.9	16.7	35.7
	Medical attention other than institution	67.5	69.2	59.5
	No medical attention	12.5	14.1	4.8