

31 1982/2851 1983



GOVERNMENT OF FIJI

Vital Statistics in Fiji

(STATISTICS OF BIRTHS, DEATHS AND MARRIAGES)

A Report for the years 1982-1983

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FERTILITY RATES

There are several methods of calculating fertility rates but in this publication only the Crude Birth Rate (CBR), General Fertility Rate (GFR), Total Fertility Rate (TFR), and Gross Reproduction Rate (GRR) are calculated using vital registration information.

The CBR is the number of live births per 1000 persons. The GFR is the number of live births per 1000 women in child bearing ages (15-44 age group). The gross reproduction rate (GRR) is the number of female babies that would be produced by an average woman who survived the entire reproduction period.

The age-specific fertility rate (ASFR) is the number of live births per 1000 women in specified age-groups.

$$\text{ASFR} = \frac{\text{No. of live births to mothers of a specified age}}{\text{Total number of females at the specified age}} \times \frac{1000}{1}$$

Table 12 shows the age-specific fertility rates by ethnic groups and is summarised below:-

Table XIV

AGE GROUP (IN YEARS)	AGE - SPECIFIC FERTILITY RATES 1982 AND 1983							
	FIJIANS		INDIANS		OTHERS		ALL COMPONENTS	
	1982	1983	1982	1983	1982	1983	1982	1983
15 - 19	44.05	49.89	63.08	60.50	41.78	46.30	53.65	55.09
20 - 24	202.61	209.31	264.90	243.05	223.15	203.43	236.34	226.61
25 - 29	191.79	188.34	198.11	181.35	249.22	224.86	197.70	186.22
30 - 34	136.62	139.38	99.42	92.01	167.99	131.13	118.41	113.81
35 - 39	82.20	86.26	47.37	34.39	104.51	62.30	65.29	58.14
40 - 44	30.76	40.33	13.79	10.16	46.63	20.28	23.14	24.20
GRR	120.91	124.99	130.89	118.67	142.23	122.51	126.98	121.60

As stated the General Fertility Rate (GFR) is the number of live births per 1,000 women in the 15-44 age-group.

The table below shows the GFR for the past seven years.

Table XV

YEARS	GENERAL FERTILITY RATE			
	FIJIANS	INDIANS	OTHERS	ALL COMPONENTS
1977	111.41	116.35	109.92	114.64
1978	112.55	123.31	124.43	118.80
1979	116.51	127.46	136.83	123.27
1980	113.89	127.14	141.20	122.17
1981	117.14	121.48	129.71	120.61
1982	120.91	130.89	142.23	126.98
1983	124.99	118.67	122.51	121.60

Total Fertility Rate (TFR) indicates the average expected number of children born per woman assuming that each woman lived to the end of reproductive life and that fertility remained at the current level.

$$\text{TFR} = \frac{\text{Sum of ASFR} \times 5}{1000}$$

* A weight of 5 is used for the five year age groups.

Total fertility rates for the years 1980 to 1983 are shown below.

The Gross Reproduction Rate (GRR) is the average expected number of female births per woman assuming that each woman lived to the end of her reproductive life and that fertility remained at the current level.

$$\text{GRR} = \frac{\text{TFR}}{1 + \text{sex ratio at birth}}$$

The TFR and GRR by ethnic groups from 1980 to 1983 are as follows:-

	TFR			GRR		
	1980	1981	1982	1980	1981	1982
Fijians	3.29	3.41	3.44	3.57	1.38	1.64
Indians	3.33	3.17	3.43	3.11	1.65	1.54
Others	4.13	3.69	3.17	3.4	1.99	1.80
ALL COMPONENTS	3.37	3.30	3.47	3.32	1.65	1.60
						1.69
						1.61