

FERTILITY ESTIMATES FOR PROVINCES OF CHINA, 1975–2000

National Bureau of Statistics of China
Beijing, China

East-West Center
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PREFACE

This report provides fertility estimates by province (except for Hong Kong, Macau, and Taiwan) for years between 1975 and 2000. For each province, two sets of estimates of the total fertility rate are provided, one based on age-specific fertility rates (TFR_{asfr}) and one based on period parity progression ratios (TFR_{pppr}). These two measures yield estimates of total fertility that are usually, but not always, quite close to each other.

The fertility estimates are derived from both the 1990 census and the 2000 census. Each census yields estimates for each of the 10–15 years before the census, so the two trends overlap for some years. If the data were perfect and there were no interprovincial migration, the two trends would coincide during the period of overlap, but the analysis indicates some discrepancies. It is likely that many of these discrepancies reflect interprovincial migration and under-reporting of births. The discrepancies are usually small, however, so the report is still able to draw conclusions about fertility levels and trends and regional patterns. For the most part, the report does not attempt to explain the fertility trends and regional fertility patterns. Such explanation is left for more in-depth studies.

Because of the above-mentioned discrepancies, the estimates should be viewed as only roughly accurate, not as official estimates. No attempt is made to adjust the fertility estimates for under-reporting of births or any other errors of estimation that may be present.

The report is a collaborative research effort between the National Bureau of Statistics of China and the Program on Population and Health at the East-West Center in Honolulu. The report was written by Li Xiru and Hu Ying from the National Bureau of Statistics and Jiajian Chen, Robert D. Retherford, and Minja Kim Choe from the East-West Center.

Table A1. Age-specific fertility rates (ASFRs) and TFR_{asfr} by province, 1975–2000

Province	Year	Age-specific fertility rate (per 1,000)							TFR _{asfr}
		15-19	20-24	25-29	30-34	35-39	40-44	45-49	
Total	1975	24.7	188.8	242.3	153.6	93.6	46.7	9.3	3.79
	1976	22.9	175.7	233.2	136.8	76.3	37.7	7.2	3.45
	1977	21.0	164.9	220.4	119.6	64.2	31.3	6.9	3.14
	1978	16.8	154.0	214.0	108.9	55.3	26.2	5.1	2.90
	1979	12.6	154.9	217.3	104.3	48.3	21.5	4.3	2.82
	1980	12.2	161.5	211.8	91.8	40.5	17.1	3.9	2.69
	1981	14.1	165.2	193.1	74.4	32.4	14.0	3.3	2.48
	1982	22.0	212.4	218.3	80.4	33.5	14.1	3.3	2.92
	1983	25.3	193.0	190.1	68.4	26.6	11.7	2.6	2.59
	1984	24.8	177.1	168.8	60.3	22.5	9.5	2.0	2.33
	1985	25.7	184.6	161.2	60.6	22.4	9.3	1.9	2.33
	1986	25.5	193.3	157.5	63.1	23.1	9.0	2.0	2.37
	1987	25.6	210.1	165.8	74.2	25.0	8.4	2.3	2.56
	1988	24.5	203.4	165.2	69.2	23.4	8.0	2.3	2.48
	1989	22.9	191.0	158.2	59.3	20.9	6.7	2.1	2.31
	1990	24.0	197.8	163.3	64.7	24.9	6.2	1.9	2.41
	1991	19.1	158.8	119.2	47.5	17.5	4.8	1.2	1.84
	1992	17.7	150.1	105.8	41.6	14.3	4.1	1.2	1.67
	1993	17.1	145.3	99.5	39.6	12.9	3.6	1.1	1.60
	1994	14.9	133.8	94.1	35.8	11.0	3.3	0.9	1.47
1995	14.5	138.8	98.5	35.2	10.3	3.2	1.0	1.51	
1996	11.8	127.4	92.4	32.0	9.0	2.8	1.1	1.38	
1997	9.8	125.1	92.7	31.0	9.0	2.4	1.0	1.35	
1998	9.0	126.3	93.5	31.7	9.3	2.3	0.9	1.37	
1999	7.0	107.3	84.4	29.0	8.0	1.7	0.6	1.19	
2000	6.4	126.3	101.2	35.3	8.1	2.0	0.6	1.40	
Beijing	1975	4.9	69.6	145.9	73.9	23.8	14.9	2.1	1.68
	1976	5.4	53.9	141.1	68.6	25.0	10.0	3.6	1.54
	1977	6.5	46.4	147.9	66.7	22.6	9.1	3.1	1.51
	1978	6.1	47.3	149.4	73.7	22.3	8.4	4.4	1.56
	1979	5.5	46.6	150.4	71.6	19.4	7.0	1.2	1.51
	1980	7.0	60.0	178.3	67.9	18.8	6.2	0.8	1.69
	1981	5.2	56.7	163.1	52.1	10.1	3.5	1.1	1.46
	1982	7.1	93.5	185.5	52.1	12.2	4.4	2.2	1.79
	1983	10.7	100.3	165.7	45.1	6.4	2.8	1.5	1.66
	1984	8.0	94.1	136.7	37.6	5.1	4.6	1.7	1.44
	1985	7.9	95.2	114.3	30.6	8.9	3.7	1.3	1.31
	1986	8.2	105.4	117.7	39.9	8.1	4.7	1.8	1.43
	1987	7.3	115.1	121.2	46.1	11.0	1.3	0.3	1.51
	1988	8.3	130.2	123.1	41.7	10.3	2.4	1.4	1.59
	1989	8.4	117.4	109.8	34.1	12.2	0.7	0.4	1.41
	1990	5.4	105.7	120.4	32.0	10.3	1.8	0.0	1.38
	1991	5.2	85.9	90.2	26.4	8.2	2.1	1.1	1.10
	1992	5.1	74.5	82.0	24.3	5.5	1.4	0.0	0.96
	1993	3.9	74.0	80.3	22.4	5.6	1.7	0.0	0.94
	1994	2.9	72.3	85.6	24.4	5.1	1.5	0.5	0.96
1995	3.6	74.8	90.2	25.0	3.3	1.6	0.0	0.99	
1996	1.7	71.9	85.8	21.9	5.3	1.1	0.7	0.94	
1997	1.7	66.6	87.6	23.7	3.5	1.3	0.3	0.92	
1998	2.3	62.1	88.9	24.1	4.2	1.2	0.1	0.91	
1999	2.1	60.0	80.8	29.0	7.8	1.1	0.4	0.91	
2000	1.5	50.8	82.8	31.3	6.7	0.6	0.0	0.87	