3204.0

PROJECTIONS OF THE POPULATION OF AUSTRALIA 1981 TO 2021

CATALOGUE NO. 3204.0

AUSTRALIAN BUREAU OF STATISTICS Canberra

NOON 30 NOVEMBER 1982

PROJECTIONS OF THE POPULATION OF AUSTRALIA 1981 TO 2021

R. J. CAMERON

Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 3204.0

© Commonwealth of Australia 1982

Printed by C. J. THOMPSON, Commonwealth Government Printer, Canberra

PHONE INQUIRIES	for more information about these statistics - contact Mr Phil Trickett on Canberra (062)526115 or any of our State Offices. other inquiries including copies of publications - contact Information Services on Canberra (062)526627 or in any of our State Offices.
MAIL INQUIRIES	write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State Offices.

CONTENTS

		Page
..	Main features	1
..	Explanatory Notes	
	Introduction	1
	Methodology	2
	Base Population	3
	Fertility Assumptions	3
	Mortality Assumptions	12
	Overseas Migration Assumptions	17
	Summary of Assumptions	17
..	Summary of Results	19
	Tables	
1	Projected population of Australia 1981 to 2021, each year by sex - Series A, B, C, D.	26
2	Projected population of Australia 1981 to 2021, grouped ages by sex for selected years - Series A, B, C, D.	27
3	Projected population of Australia 1981 to 2021, persons, grouped ages, masculinity ratios, mean and median ages - Series A, B, C, D.	31
4	Projected births, deaths and natural increase, Australia 1981 to 2021, each year - Series A, B, C, D.	35
5	Projected crude birth rates, crude death rates and rates of natural increase, Australia 1981 to 2021, each year - Series A, B, C, D.	36
6	Total increase and rates of growth, projected population of Australia 1981 to 2021, each year - Series A, B, C, D.	37
..	Appendix	38
	Projected population, births and deaths of Australia, exclusive of migration.	

MAIN FEATURES

The projected population of Australia published in this bulletin ranges between 17,008,600 and 17,721,300 in 1991; 18,916,700 and 20,555,100 in 2001; and 20,557,100 and 23,235,000 in 2011. The corresponding figures for the 1978-2011 set of projections published in 1979 are consistently lower - 16,182,900 and 16,791,000 in 1991; 17,555,200 and 18,727,500 in 2001; and 18,599,300 and 20,588,600 in 2011.

The main reasons for these differences are:

. The base population for the 1981 set of projections (the estimated resident population based on preliminary 1981 Census results) is considerably larger than the projected 1981 populations of the previous 1978-2011 series which was mainly based on the actual location of the population. The differences range from 161,900 to 252,400.

. The overseas migration levels assumed for the current set of projections are higher than the one adopted for the 1978-2001 set of projections - 75,000 and 125,000 persons a year compared with 50,000 a year. These higher assumed levels of overseas migration also lead to an increased number of births. It should be emphasised that the overseas migration levels are only assumptions used for purposes of these projections, and are not an attempt to forecast Government policy.

. All four series of the current set of projections have adopted a declining mortality assumption while only one of the 4 previous series had adopted this assumption.

EXPLANATORY NOTES

1 INTRODUCTION

1.1 This publication contains summary results of projections of the population of Australia for the period 1981 to 2021, by age group and sex, based on preliminary estimates of the population at 30 June 1981. Details for single years of age and for each year are available from the ABS on request.

These projections replace the set published in July 1978, Projections of the Population of Australia, 1978 to 2011 (3204.0). Projections for each of the States and Territories of Australia will be published early in 1983. It is intended to publish projections twice in each intercensal period, with the next projection planned for release in November 1984.

1.2 The Australian projections published in this publication are not intended as predictions or forecasts; they are illustrations of population growth which would occur if certain selected assumptions of future demographic trends are realised. While these assumptions are based on an examination of past demographic trends and survey data on birth expectations, there is no certainty that these assumptions and expectations will or will not be realised. No attempt has been made to incorporate in these projections possible effects of economic depressions or booms, wars, natural disasters or other significant factors of this nature.

1.3 Alternative projections have been provided in recognition of the uncertainty of future movements in demographic trends, and to give users a range of options. The projections in this publication are also intended to serve both as a framework and a point of departure for other organisations and individuals working in the field of population projections.

1.4 Since the publication of the last set of population projections, there has been a significant revision to the population estimates as a consequence of the preliminary results of the 1981 Census becoming available and the adoption of the estimated resident population series as the official estimates. This has created a requirement for new projections and this publication is designed to meet this requirement.

2 METHODOLOGY

2.1 There are a number of methodologies that may be used for projecting populations, the choice being mainly dependent upon the availability of reliable data. The population projections in this publication, as with previous population projections published by the ABS, have been prepared using the cohort-component method i.e. a base population in single years of age is brought forward year by year by applying assumptions about future trends of fertility, mortality and migration. This method is widely used internationally in producing national population projections and is the method used by the United Nations for their population projections.

3 BASE POPULATION

3.1 The projections take as their starting point the preliminary estimated resident population of Australia by sex and single year of age at 30 June 1981. These estimates are based on preliminary results from the 1981 Census and are subject to revision. Population estimates are published regularly in Australian Demographic Statistics Quarterly (3101.0), and in Estimated Resident Population by Sex and Age : States and Territories of Australia (3201.0).

4 FERTILITY ASSUMPTIONS

4.1.1 Fertility Trends

The decline in the number of births registered in Australia throughout the 1970s was reversed in 1980 when the number increased marginally by 1.1 per cent over the 1979 figure to 225,527. This increase accelerated in 1981 with an increase of 4.6 per cent to 235,842. The total fertility rate, however, declined in 1980, although at a reduced pace, from 1,912 per 1,000 women in 1979 to 1,894 in 1980. However, in 1981, the total fertility rate showed an increase to 1,936 per 1,000 women.

4.1.2 An important contribution to the reduced rate of decline in the number of births in the late 1970s and the increase in 1979-81 has been the increase in the number of women in the child-bearing ages which has compensated partially for the sharper decline in the fertility level. In 1971, there were 2,734,000 women aged 15-44; this number increased to 3,027,000 in 1976, to 3,308,000 in 1980, and to 3,387,000 in 1981 - a 24 per cent increase in 11 years.

4.1.3 The decline in fertility since 1971 was somewhat less at ages under 35 years, but very steep at ages 35 and over (see Table 1). Fertility of women aged 35 to 39 in 1981 was only 57 per cent of that in 1971, and fertility of women aged 40 and over has reduced even further. By 1981, the total fertility rate was reduced to 68 per cent of its 1971 level. Even at the prime child bearing ages of 25 to 29 years, the 1981 rate was only 77 per cent of the 1971 rate.

4.1.4 Fertility rates of a given year represent the experience of a wide range of generations of women at different stages of their reproductive lives. Changes in fertility rates from year to year reflect both changes in the completed family sizes of generations of women (referred to as generational fertility) and the timing of births within the 30-35 years of reproductive life span of these generations.

TABLE 1 - AGE SPECIFIC AND TOTAL FERTILITY RATES (a), AUSTRALIA, 1971-1981

Year	Age specific birth rates							Total fertility rate
	15-19	20-24	25-29	30-34	35-39	40-44	45-49	
1971	54.6	176.1	188.2	99.5	42.9	11.1	0.8	2,866
1972	53.2	163.9	176.1	91.4	37.8	9.8	0.7	2,665
1973	47.8	150.9	161.5	81.7	32.6	8.3	0.6	2,417
1974	44.2	145.4	159.3	78.5	29.1	7.2	0.5	2,321
1975	40.1	133.9	149.6	74.1	26.0	6.1	0.4	2,151
1976	35.2	128.3	146.2	72.5	24.1	5.5	0.4	2,061
1977	32.2	122.0	145.7	74.1	23.9	5.0	0.3	2,015
1978	30.0	115.7	144.0	73.4	23.5	4.5	0.3	1,956
1979	28.5	109.1	142.4	73.9	23.6	4.6	0.3	1,912
1980	27.6	106.9	140.9	75.1	23.6	4.4	0.3	1,894
1981	28.1	107.3	145.1	77.5	24.4	4.5	0.3	1,936
INDEX 1971 = 100								
1971	100	100	100	100	100	100	100	100
1972	97	93	94	92	88	88	88	93
1973	88	86	86	82	76	75	75	84
1974	81	83	85	79	68	65	63	81
1975	73	76	79	74	61	55	50	75
1976	64	73	78	73	56	50	50	72
1977	59	69	77	74	56	45	38	70
1978	55	66	77	74	55	41	38	68
1979	52	62	76	74	55	41	38	67
1980	51	61	75	75	55	40	38	66
1981	51	61	77	78	57	41	38	68

(a) Birth rates per 1,000 women.

4.1.5 In Australia, changes in completed generational fertility have been more gradual and less fluctuating than yearly fertility rates which are also affected by changes in the timing of births over the reproductive life span of a woman. The high total fertility rates in the so-called 'baby boom' years, 3,412 in 1956-60 and 3,289 in 1961-65, resulted jointly from younger generations starting their families earlier and from older generations who were completing their families after delays during the Second World War (see Table 2). The high fertility of this period does not mean that there had been a sudden increase in the family size of the generations of women who passed through child-bearing ages in those years. None of these generations ever reached the completed fertility suggested by the annual time-period rates for these years. The highest generational fertility of 3,077 children per 1,000 women born in 1928-33 was considerably less than the total fertility rates of the 1951-65 period.

TABLE 2 - PERIOD AND GENERATIONAL FERTILITY RATES, AUSTRALIA

Period	Total Period Fertility Rate	Generation Born In	Total Generational Fertility Rate
1931-35	2,186	1913-18	2,493
1936-40	2,213	1918-23	2,701
1941-45	2,535	1923-28	2,899
1946-50	3,020	1928-33	3,077
1951-55	3,180	1933-38	3,025(a)
1956-60	3,412	1938-43	2,749(a)
1961-65	3,289	1943-48	2,443(a)
1966-70	2,867	1948-53	2,249(a)
1971-75	2,484		
1976-80	1,968		

(a) The incomplete reproductive experience of these generations was extrapolated by assuming that the age specific rates would remain at the 1976-80 level. This assumption implies that for the generation born in 1948-53, age specific rates of 1976-80 would apply for ages 30-49 years.

4.1.6 Similarly, the decline in period fertility in the 1970's was more rapid than is shown in the movements of generation rates. While period fertility fell below replacement level after 1976, the generational fertility rates for the recent generations are still somewhat above replacement level. The rapid decline in period fertility in the 1970's was the joint result of a gradual decline in generational fertility (a long term trend towards smaller families) and a change in the timing of births (a postponement of births).

4.1.7 The long term trend towards smaller families is reflected in the increasingly smaller proportion of births which are of relatively high parity (i.e. birth order). In 1971, 14.8 per cent of nuptial births are of parity 4 and over; in 1981 this proportion dropped to 8.6 per cent. First and second births now constitute 74 per cent of nuptial births, this proportion having increased from 68 per cent in 1971. Parity specific birth rates are shown in Table 3.

4.1.8 Changes in the timing of births have a more immediate effect on the period birth rates. Between 1971 and 1981, median ages of women at birth of children have increased. This is a consequence of both the rising age of women at first marriage (from a median of 21.1 years in 1971 to 22.1 years in 1981), and the widening of the interval between first marriage and the first birth (from 18 months in 1971 to 28 months in 1981).

TABLE 3 - PARITY-SPECIFIC BIRTH RATES[(a)], AUSTRALIA

Year	Birth Order 1	2	3	4	5	6+
1971	925	774	471	233	105	109
1973	797	719	373	162	69	71
1975	726	678	324	123	45	43
1976	685	664	321	115	39	36
1977	683	633	323	109	36	30
1978	659	604	317	108	34	26
1979	649	581	307	104	31	24
1980	650	562	299	101	31	21
1981	667	561	302	104	30	20

(a) Number of nuptial births per 1,000 women. This is computed by summing age-specific birth rates for each parity.

4.1.9 The median age of women at the birth of the first child increased sharply from 23.7 years in 1971 to 25.6 years in 1981, and that of women at the birth of the second child from 26.3 years to 27.4 years. The first birth rate declined rapidly from 925 per 1,000 women in 1971 to 667 per 1,000 in 1981, a decline of 28 per cent. The second birth rate also declined in the same period by 28 per cent from 774 to 561, and the third birth rate declined 36 per cent in the same period. The decline in second and subsequent birth rates are, of course, a partial consequence of the decline in first birth rate.

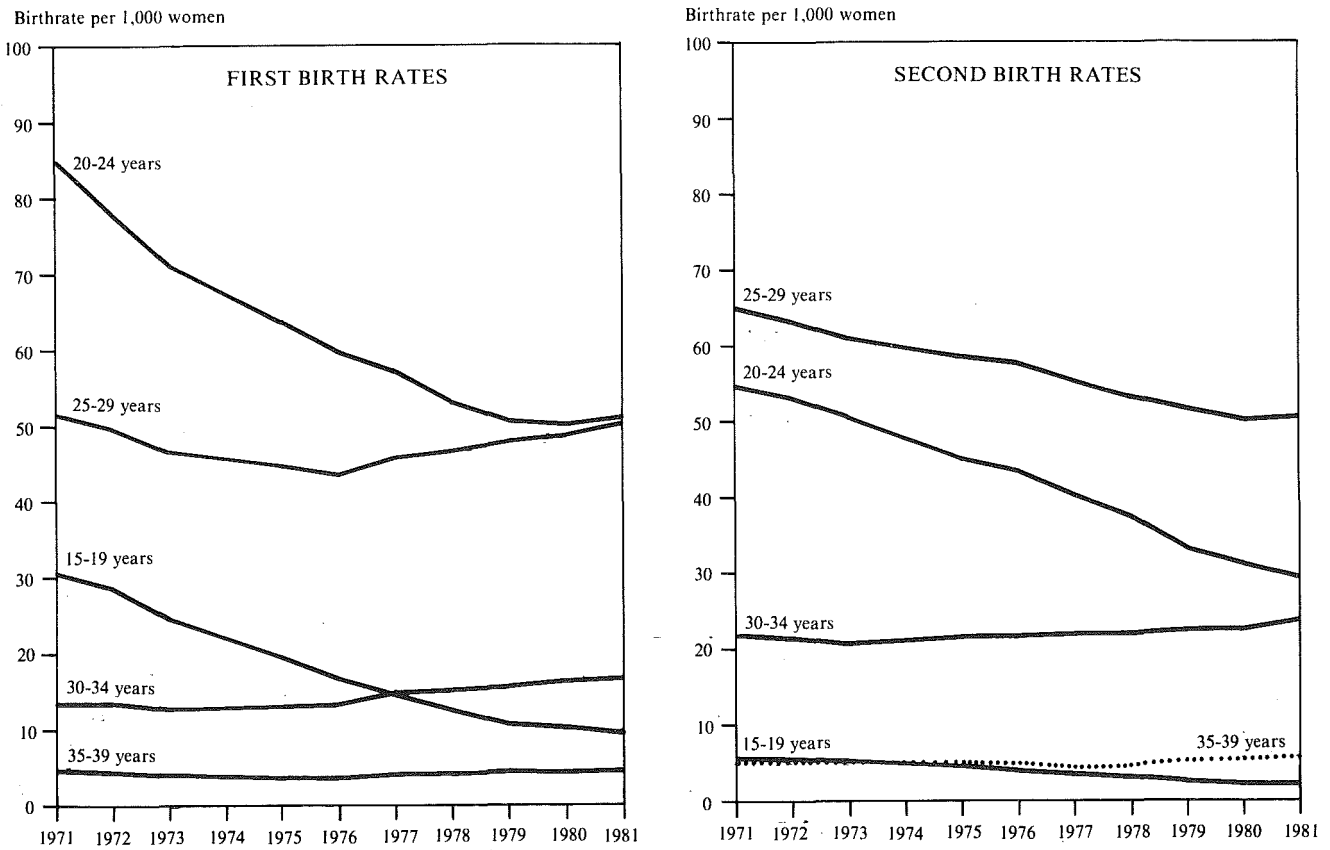
4.1.10 The extent of the postponement of births can be illustrated in Table 4 which shows a gradual increase over the period 1971-81 in the median age of women at first marriage and in the median age of women at the birth of the first, second and third child.

TABLE 4 - MEDIAN AGE OF WOMEN AT FIRST MARRIAGE AND AT BIRTH OF CHILDREN BY PARITY, AUSTRALIA

Year	Median age of women at first marriage	Median age of women at birth of child: First child	Second Child	Third Child
	- years -			
1971	21.1	23.7	26.3	28.7
1972	21.0	23.8	26.3	28.8
1973	21.0	23.9	26.3	28.7
1974	20.9	24.1	26.5	28.8
1975	21.0	24.2	26.5	28.8
1976	21.2	24.4	26.6	28.8
1977	21.4	24.7	26.8	28.9
1978	21.6	25.1	26.9	28.9
1979	21.7	25.3	27.1	29.0
1980	21.9	25.5	27.3	29.2
1981	22.1	25.6	27.4	29.3

4.1.11 There are significant differences between age groups of women in the pattern of change in parity-specific birth rates. The first birth rates of the younger women aged under 25 have continued their decline, although the rate of decline has slowed in the past two years, 1979 and 1980. However, for those aged 25 and over the lowest first birth rates were reached in the mid-1970s, and slight increases have been recorded since. In 1980, the increases in the first birth rates for those aged 25 and over compensated for the decline for those aged under 25 such that a slight increase in the overall first birth rate occurred. (See figure 1).

FIGURE 1. FIRST AND SECOND BIRTH RATES BY AGE, AUSTRALIA, 1971 TO 1981



4.1.12 Changes in first birth patterns have meant that the age groups 25-29 and 30-34 have become responsible for an increasingly larger proportion of first births; and women of the younger ages (under 25) have contributed less than before. In 1971, the first birth rate of women aged 20-24 was 1.6 times that of age 25-29; in 1980, the rates were almost identical. Women aged under 25 years accounted for 62% of the first birth rate in 1971 but, in 1980 this

proportion declined to 46%. Conversely, the age groups 25-29 and 30-34 accounted for only 35% of the first birth rate in 1971, but in 1980, their contribution increased to 50%. There has been a significant shift in the age of women at the birth of the first child, from the younger ages to the older ages. This reflects an important delay of the first birth in the 1970s, with part of the deferred births now occurring as women become older.

4.1.13 While there has been considerable postponement of the first birth, the second birth does not seem to be delayed once the first child is born. Median age of women at the birth of the second child increased much less than the median age of women at the birth of the first child (See Table 4). Estimates of the interval between the first and second birth show that this interval has increased only marginally from 30.8 months for those marrying in 1956 to 32.2 months for those marrying in 1968. The average interval between the second and the third births and between the third and the fourth births however, increased by 19 months and 15 months respectively for these two marriage cohorts.

TABLE 5 - ESTIMATES OF INTERVALS BETWEEN BIRTHS, FOR FOUR MARRIAGE COHORTS 1956, 1965, 1966 and 1968, AUSTRALIA

Average interval (months) between	Year of Marriage			
	1956	1965	1966	1968
Marriage & 1st birth	23.4	22.4	27.4	28.7
1st & 2nd births	30.8	31.7	31.9	32.2
2nd & 3rd births	32.9	40.8	45.0	51.8
3rd & 4th births	29.5	36.2	39.0	44.1

4.2 Projections for the future

4.2.1 For the ABS projections 1978-2011,[1] it was noted that the major components of the recent rapid decline in fertility had been a decline in the first birth rate and in the rates of the third and subsequent births. It was suggested that the fall in the first birth rate is due in large measure to the deferment of first births and that this element of the fall was unlikely to continue for long. Hence in Series A and D of the 1978-2011 projections recovery of first birth rates was projected to start from 1979 and to become stabilised at the level of 850 per 1,000 women in 1982.

(1) Projections of the Population of Australia 1978-2011 (3204.0), released on 18 July 1978; Projections of the Population of the States and Territories of Australia 1978-2011 (3214.0), released on 15 May 1979.

4.2.2 The stable relationship between the second birth rate and the first birth rate experienced in the 3 years preceding the second birth (reflecting the approximate interval of 2 to 3 years between the first and second birth) was noted in the previous ABS projections and an assumption was made that this relation of around 85:100 would continue.

4.2.3 Data presented in the previous sections provide some confirmation of these projected trends. The rise in the median age of women at birth of the first child and in the first birth rate for those women aged 25-29 and 30-34 is consistent with the suggestion that some of this deferment of first births is being made up. The projected recovery of the first birth rate from 1979 is supported by actual data for 1980 and 1981 which show a recovery in the first birth rate for these years.

4.3 Series B and D Projections

4.3.1 For Series B and D of the 1981-2021 projections in this bulletin, the first birth rate is assumed to continue its 1979-81 recovery and to reach 785 per 1,000 women in 1985 and to remain constant thereafter. (See Table 6) This represents a recovery of 18 per cent over 4 years from the 1981 rate of 667. This recovery is slower, with the first birth rate reaching a level lower than that projected for Series A and D of the 1978 projections. Table 6 sets out the actual fertility rates for the years 1971 and 1975 to 1981 and the projected rates for future years.

TABLE 6 - ASSUMED FERTILITY LEVELS(a) FOR SERIES B AND D

Year	Birth Order 1	2	3	4	5+	Total nuptial	Ex-nuptial	Total fertility
					ACTUAL			
1971	925	774	471	233	214	2,617	249	2,866
1975	726	678	324	123	88	1,940	211	2,151
1976	685	664	321	115	75	1,859	202	2,061
1977	683	633	323	109	66	1,816	200	2,015
1978	659	604	317	108	60	1,748	208	1,956
1979	649	581	307	104	55	1,696	216	1,912
1980	650	562	299	101	52	1,665	229	1,894
1981	667	561	302	104	51	1,685	251	1,936
					PROJECTED			
1982	700	557	295	100	49	1,701	238	1,939
1983	740	571	286	93	48	1,738	243	1,981
1984	770	597	282	85	46	1,780	249	2,029
1985	785	626	282	78	43	1,814	254	2,068
1986	785	650	287	74	39	1,835	257	2,092
1987-2021	785	663	294	72	37	1,851	259	2,110

(a) Birth rates per 1,000 women

4.3.2 Second birth rates are assumed to be 85 per cent of the first birth rates of the preceding three years, and this results in a recovery from the 1981 rate of 561 to 663 in 1987. Third birth rates are assumed to continue their current decline to 294 in 1987 and to remain constant thereafter. These rates represent a decreasing proportion of mothers with two children proceeding to have a third child. The ratio of the third birth rate to the average of the second birth rates of the preceding three years is assumed to decline from 52:100 in 1981 to 47:100 in 1987.

4.3.3 Rates for the fourth and higher order births are assumed to continue to decline without a recovery.

4.3.4 The ratio of the ex-nuptial birth rate to the nuptial birth rate in 1981 was 14.9 to 100 which is the highest ratio ever recorded in Australia. In terms of percentage contribution to total fertility, ex-nuptial fertility was 12.1 per cent. The ratio of ex-nuptial birth rate to nuptial birth rate was assumed to be 14 to 100 for the projection period.

4.3.5 The result of these assumptions is that the total fertility rate will recover gradually from 1,936 per 1,000 women in 1981 to a long term replacement level (2,110) in 1987, and to remain constant thereafter. Compared with Series A and D of the 1978 projection, the replacement level is reached three years later.

4.3.6 The above assumed pattern of fertility change will give rise to a higher proportion of two child families than is currently the case. This is consistent with two surveys of birth expectations of married women which showed a predominant expectation of two children and which also showed a rejection of larger families. For details, see Birth Expectations of Married Women, November 1976 and June 1979 (3215.0). It also reflects the expectation of smaller family size among younger married women - in 1979, the average expected family size among married women aged less than 30 was 2.4 children compared with 2.5 and 2.7 children among those aged 30-34 and 35 and over respectively.

4.3.7 Fertility is assumed to remain stable at this level not because of any intrinsic stability in a replacement level fertility, but because this rate is broadly consistant, on a generational basis, with the two-child norm to which the generational fertility rates appear to be tending. The expected completed fertility rate of women born in 1948-53 is estimated to be 2,249, about 7 per cent higher than the long term replacement level. In this assumption, fertility of more recent generations is allowed to continue to decline further.

4.3.8 Age-specific fertility rates consistent with these assumptions were prepared for each year from 1982 and are shown in Table 7 together with actual rates for earlier years.

TABLE 7 - ACTUAL AND PROJECTED AGE-SPECIFIC BIRTH RATES(a), TOTAL FERTILITY AND NET REPRODUCTION RATES, AUSTRALIA

Year	Age Group 15-19	20-24	25-29	30-34	35-39	40-44	45-49	Total fertility rate	Net reproduction rate
ACTUAL									
1971	54.6	176.1	188.2	99.5	42.9	11.1	0.8	2,866	1.362
1975	40.1	133.9	149.6	74.1	26.0	6.1	0.4	2,151	1.020
1976	35.2	128.3	146.2	72.5	24.1	5.5	0.4	2,061	0.981
1977	32.2	122.0	145.7	74.1	23.9	5.0	0.3	2,015	0.955
1978	30.0	115.7	144.0	73.4	23.5	4.5	0.3	1,956	0.933
1979	28.5	109.1	142.4	73.9	23.6	4.6	0.3	1,912	0.911
1980	27.6	106.9	140.9	75.1	23.6	4.5	0.3	1,894	0.902
1981	28.1	107.3	145.1	77.5	24.4	4.5	0.3	1,936	0.924
PROJECTED SERIES B & D									
1982	28.1	107.4	145.4	77.8	24.4	4.4	0.3	1,939	0.925
1983	28.2	108.5	150.0	80.6	24.4	4.2	0.2	1,981	0.945
1984	28.3	109.9	155.3	83.8	24.3	4.0	0.2	2,029	0.968
1985	28.3	111.0	159.7	86.4	24.3	3.8	0.1	2,068	0.987
1986	28.4	111.6	162.3	88.0	24.3	3.7	0.1	2,092	0.998
1987-2021	28.4	112.1	164.3	89.2	24.3	3.6	0.1	2,110	1.007
PROJECTED SERIES A & C									
1982	28.1	107.4	145.3	77.7	24.4	4.4	0.3	1,938	0.925
1983	28.2	108.3	149.0	80.0	24.4	4.3	0.2	1,972	0.941
1984	28.2	109.3	153.3	82.5	24.4	4.1	0.2	2,010	0.959
1985	28.0	107.9	151.6	79.7	23.3	3.9	0.2	1,973	0.942
1986	27.9	106.7	149.9	77.1	22.1	3.6	0.1	1,937	0.924
1987-2021	27.7	105.3	148.2	74.3	21.0	3.4	0.1	1,900	0.907

(a) Birth rates per 1,000 women

4.4 Series A and C Projections

4.4.1 A variant fertility assumption is made to reflect the possibility that future fertility may not rise to the level assumed for Series B and D.

4.4.2 If the deferment of the first birth becomes longer and if more couples remain childless, this will result in a slower recovery of fertility to a level lower than the replacement level. Current levels of fertility in Australia are considerably higher than those prevailing in most of Europe and in North America. The expectation, on average, of the 2-child family in Australia may not be realised. It is conceivable that Australia's recovery may not be sustained for a long enough period of time to reach the replacement level in 1987. In the United Kingdom, for example, rapid fertility recovery occurred between early 1978 and mid-1979 from 1,680 to 1,900 per 1,000 women; but this recovery has since weakened and provisional figures for the first six months of 1981 indicate a resumption of decline. (Source: UK, Population Trends No. 24, 1981 pp 8-9, also No. 26 1981, pp 1-10). To reflect this possibility a low fertility assumption is used in Series A and C.

4.4.3 This assumes that Australia's fertility will recover at 80 per cent of the rate of recovery assumed in Series B and D until 1984, to a level of 2,010 and then decline to a lower level of 1,900 in 1987. This 1987 level is about 10 per cent below the replacement level.

4.4.4 Table 7 contains projected age-specific birth rates for the two sets of fertility assumptions.

5 MORTALITY ASSUMPTIONS

5.1 Mortality Trends

5.1.1 Between 1900 and 1960 there was a continuing decline in mortality for both sexes at most ages though the rate of decline varied between periods, and varied between sex and age group. Expectation of life at birth, which for males had been 55.20 years in 1901-10, increased to 67.14 years in 1953-55 and to 67.92 years in 1960-62. For females, life expectancy increased from 58.84 years in 1901-10 to 72.75 years in 1953-55 and to 74.18 years in 1960-62. During the 1960s there was no improvement for males and very little improvement for females.

5.1.2 Since 1971 there has been substantial improvement in mortality for nearly all ages for both males and females. Expectation of life at birth, which was 67.90 years for males and 74.60 years for females in 1970-72, has increased to 71.38 years for males and 78.42 years for females for the year 1981. An understanding of the reasons for the decline in mortality can be obtained by observing age-specific death rates by cause(2).

---

(2) An analysis of mortality by cause for the period 1961 to 1978 is contained in Australian Mortality : A Study by Cause of Death, ABS Occasional paper 1980/81, issued August 1980.

5.1.3 For this analysis, the individual causes of death have been grouped into the following five broad causes of death: (i) neoplasms, (ii) diseases of the circulatory system, (iii) accidents, violence and suicide, (iv) infancy, and (v) other. The classification of the above five causes of death by ICD codes under the eighth revision is given in Table 8.

TABLE 8 - CLASSIFICATION OF CAUSE OF DEATH BY ICD CODES

Cause of Death	ICD 3-digit codes (eighth revision)
Neoplasms	140-239,
Diseases of circulatory system	390-392, 393-398, 400-404, 410-414, 420-429, 430-438, 440-448, 450-458
Accidents, violence and suicide	800-949, 980-989, 950-959, 960-969, 970-978
Infancy	740-759, 760-779
Other	all remaining codes

5.1.4 This grouping has been done in such a way that the likelihood of transfers of deaths from one group to another in the light of improving diagnostic medicine or the effect of changes to the ICD will be minimised and the underlying causal factors of each of the causes in a particular group are considered to be reasonably homogeneous.

5.1.5 Death due to diseases of the circulatory system is by far the most important cause of death in Australia, accounting for 48.4% of male and 55.0% of female deaths in 1980. More than 99% of all deaths from this cause occur above age 30. Since 1971 there have been large reductions in this specific death rate for both males and females at all ages 30 and over. For males most age groups have shown reductions of between 2% and 4% a year, while for females nearly all age groups have shown reductions of more than 4% a year.

5.1.6 Neoplasms are Australia's second most important cause of death after diseases of the circulatory system, accounting for 22.2% of male and 20.8% of female deaths in 1980. These percentages have increased markedly since 1971 when they were 16.8% for males and 16.6% for females. These increased proportions are due to both the high rate of reduction in the death rates due to most other causes of death and the increase in death rates due to neoplasms.

At ages under 50, where the rates tend to fluctuate from year to year, there appears to have been little change for both males and females since 1971. However, at ages 50 and over, there has been an increase of about 1% a year for males while for females there has been a slight increase of less than 0.5% a year at most ages.

5.1.7 In 1980, accidents, violence and suicide resulted in 9.6% of male and 5.2% of female deaths. Apart from ages 15-29 where there has been little change, both the rates for males and females have shown reductions of more than 2% a year at most other ages.

5.1.8 In 1980, diseases of infancy resulted in only 1.9% of male and 1.8% of female deaths. However, this category is the major cause of death at age 0-1, resulting in 87.6% of male and 86.8% of female deaths at this age in 1980. Since 1971 this age group has shown great reductions for both sexes, with males showing a rate of decline of 5.0% a year and females a rate of decline of 5.2% a year.

5.1.9 The 'other causes' grouping resulted in 17.9% of male and 17.2% of female deaths in 1980. These causes are responsible for a significant proportion of deaths at all ages, particularly at age 0 where 32% of male and 22% of female deaths result from these causes. Since 1971 this group of causes has shown reductions of around 2% a year for males and 3% a year for females, except at ages 0-4 where there have been larger reductions of more than 4% a year for both sexes, and aged 70 and over which have shown little change.

5.1.10 For all causes combined, apart from the rates in the age group 25-29 which have shown little change since 1971, the rates in most ages for males have shown reductions of more than 2% a year, with age 0 showing a very high 5.2% a year reduction. For females, there has been greater change since 1971 than for the males with most ages showing reductions of more than 3% a year.

5.2 Mortality Projections

5.2.1 With hindsight mortality projections have proven to be as unreliable as any of the other components of population change. For instance, population projections in the mid 1950's assumed rather significant declines in mortality for the 1960's which did not eventuate, whilst population projections of the early 1970's which assumed constant levels of mortality were invalidated by the sustained rapid decline in mortality in the past 10 years.

5.2.2 Two opposing views on future mortality are widely held. On the one hand there is the view that because of the world's deteriorating environment and the stresses associated with modern life styles there cannot be a presumption that mortality will continue to decline, whilst on the other hand there is the view that there are still cures to be found for many diseases and that people can be influenced to adopt more healthy lifestyles. Consequently it is not surprising that differing assumptions have been made about the future course of mortality levels.

5.2.3 For the current population projections, an assumption is made that the recent decline in mortality will continue. The basis for this assumption is that despite the ups and downs in the rate of decline in mortality rates, continuing declines in mortality have been recorded in most economically developed countries for over a century. Some developed countries with current mortality levels lower than the Australian levels are still experiencing declines in mortality.

5.3 Method for projecting mortality

5.3.1 The method adopted projects mortality rates (m_x values) by broad age groups and sex, separately for each of the grouped causes of death described earlier.

5.3.2 Age, sex and cause-specific mortality rates for Australia were calculated for the years 1961-1980, and averages for the periods 1961-65, 1966-70, 1971-75 and 1976-80 were obtained. Annual rates were not used because of large fluctuations which occurred at some ages in some years. These rates are assumed to be applicable to 1963, 1968, 1973 and 1978 respectively. From these, the annual rates of decline have been calculated for the periods 1963-68, 1968-73 and 1973-78, using the compound growth/decline formula.

5.3.3 The mortality decline over the period 1971-80 was generally much faster than the experience over the decade 1961-70. The rates of decline derived by using the data from 1961 to 1980 are assumed to reflect the long term trend and the rates based on data from 1971 to 1980 are assumed to be more suitable for the short term.

5.3.4 The rates for the period 1976-80, for each cause of death have been projected from 1981 to 1986 using the short term rate, and the rates for the year 2021 have been projected from 1981 using the long term rates of decline.

5.3.5 Table 9 shows the projected rates for 1986 and 2021 by age-group and sex. They are the sum of the projected rates of each cause of death. The rates for the intervening years 1982 to 1985 and 1987 to 2020 are derived by interpolation. Life expectancy at birth at the end of the projection period is projected to be 73.42 years for males and 82.64 years for females, an improvement of 2.0 years for males and 4.2 years for females.

TABLE 9 - PROJECTED MORTALITY RATES AND LIFE EXPECTANCIES, AUSTRALIA

	Males			Females		
Age Group	Actual	Projected		Actual	Projected	
	1981	1986	2021	1981	1986	2021
Under 1	11.2	8.9	3.8	8.7	7.3	3.0
1-4	0.6	0.5	0.5	0.5	0.4	0.3
5-9	0.3	0.3	0.3	0.2	0.2	0.2
10-14	0.3	0.3	0.3	0.2	0.2	0.2
15-19	1.2	1.3	1.3	0.4	0.4	0.4
20-24	1.5	1.6	1.6	0.5	0.5	0.5
25-29	1.3	1.3	1.3	0.5	0.4	0.4
30-34	1.2	1.2	0.8	0.6	0.6	0.5
35-39	1.7	1.5	1.0	0.9	0.8	0.5
40-44	2.6	2.6	2.0	1.4	1.4	1.0
45-49	4.5	4.4	4.0	2.7	2.2	1.7
50-54	7.9	7.6	7.1	3.8	3.8	3.3
55-59	13.0	11.5	10.4	6.2	5.6	5.5
60-64	19.8	18.6	16.4	9.7	9.1	7.8
65-69	32.3	30.6	27.8	15.7	14.1	11.4
70-74	52.0	46.9	46.9	25.5	22.3	15.6
75-79	79.8	75.4	75.4	44.3	38.7	26.6
80-84	120.2	117.2	117.2	75.9	69.2	48.8
85+	206.8	187.9	168.7	160.9	142.8	108.8
Life expectancy at birth (years)	71.38	72.25	73.42	78.42	79.58	82.64

5.3.6 The rates for single years of age, which are required for the projections, are derived by spreading the 5-year age rates using the 1975-77 Australian Life Table patterns.

6 OVERSEAS MIGRATION ASSUMPTIONS

6.1 Assumed Levels of Overseas Migration

6.1.1 In these projections overseas migration is set at two alternative assumed levels. The first level is set at a net overseas migration gain of 125,000; the result of 155,000 arrivals and 30,000 departures per year. This is slightly lower than recorded for 1981 and is in accordance with the level for the financial year 1982/83 announced by the Minister for Immigration and Ethnic Affairs. The second level is a net overseas migration gain of 75,000, representing 100,000 arrivals and 25,000 departures per year. This level approximately corresponds to the average level of net overseas migration over the past 5 years and is about 5,000 lower than the average level over the past 35 years.

6.2 Age and Sex Composition of Immigration

6.2.1 Past trends have shown that whilst the age and sex composition of net overseas migration may vary considerably over time, the age and sex composition separately for arrivals and departures shows little variation. The permanent movement is the most important component of the net migration gain. The age composition of this component is relatively stable. The age and sex composition for the three years 1978 to 1980 are used as the projected age and sex structure for the assumed levels of overseas migration.

7 SUMMARY OF ASSUMPTIONS

7.1 Series A

Fertility - Total fertility rates for Australia are assumed to increase from 1,936 per 1,000 women in 1981 to 2,010 by 1984 and to decline to a low of 1,900 by 1987 and to remain constant at 1,900 to the end of the projection period.

Mortality - The rates by age group and sex are shown in Table 9. The rates used would give life expectations at birth of 72.25 and 73.42 years for males in 1985 and 2020 respectively. The corresponding values of life expectations for females are 79.58 and 82.64 years. In 1981, the expectations of life at birth were 71.38 years for males and 78.42 years for females.

Migration - The net overseas migration to Australia is set at 75,000 persons per year.

7.2 Series B

Fertility - Total fertility rate of 1,936 per 1,000 women in 1981 will gradually increase to a long term replacement level of 2,110 in 1987, remaining constant thereafter.

Mortality - As in Series A

Migration - As in Series A

7.3 Series C

Fertility - As in Series A

Mortality - As in Series A

Migration - The net overseas migration to Australia is assumed to be 125,000 persons per year.

7.4 Series D

Fertility - As in Series B

Mortality - As in Series A

Migration - As in Series C

8 ROUNDING

Any discrepancies between totals and sums of components of tables are due to rounding.

9 RELATED PUBLICATIONS

Other ABS publications which may be of interest include:

Australian Demographic Statistics Quarterly (3101.0)

Births, Australia (3301.0)

Deaths, Australia (3302.0)

Birth Expectations of Married Women (3215.0)

Australian Mortality : A Study by Causes of Death - Occasional Paper by Geraldine Spencer and P.J. Trickett - July 1980

Fertility of Australian Marriages - Occasional Paper by Geraldine Spencer - October 1979

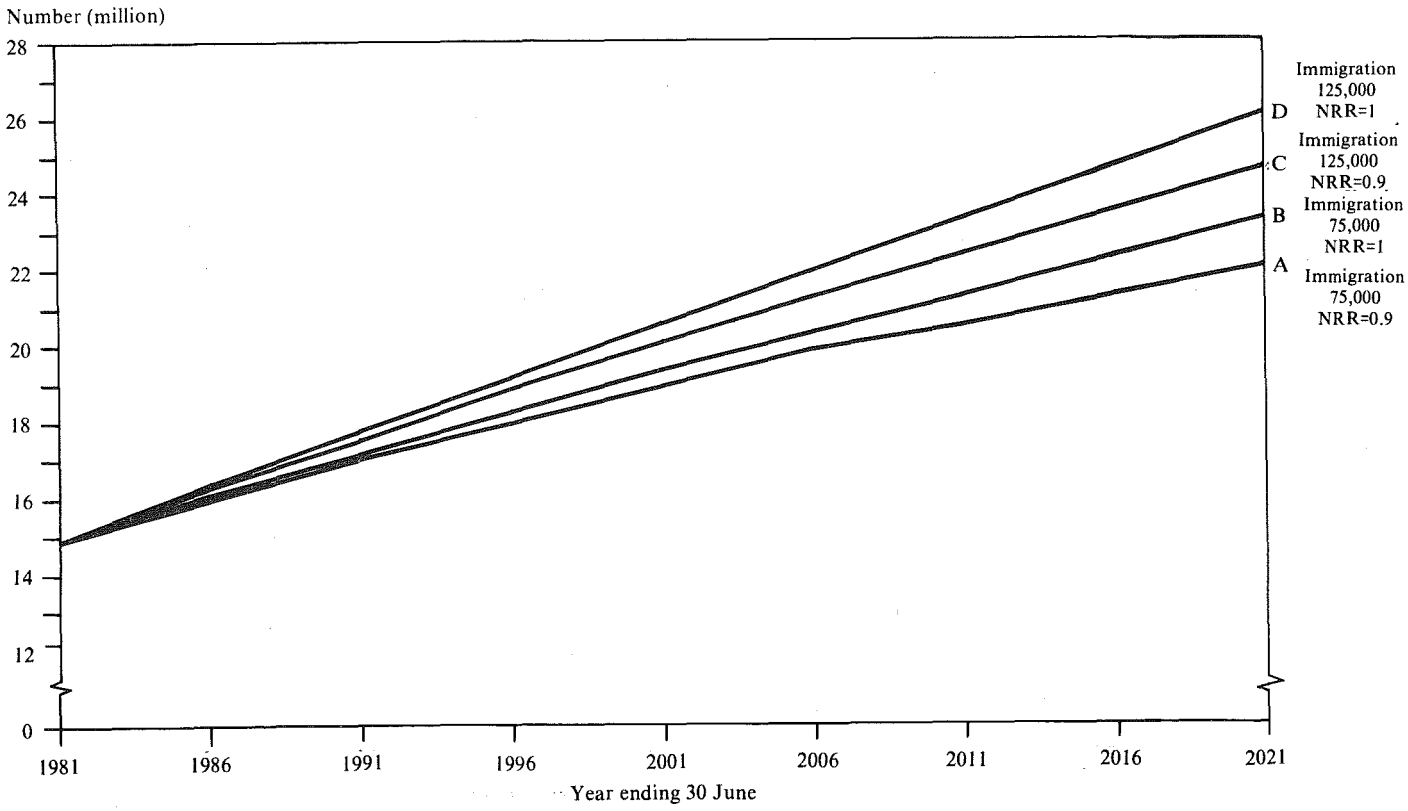
Year Book Australia, No. 65, 1981. Special article by L.J. Ruzicka and C.Y. Choi, "Recent Decline in Australian Fertility", pp.114-127.

SUMMARY OF RESULTS

PROJECTED TOTAL POPULATION

The four projection Series A, B, C and D produce projected populations at year 2001 which range between 19.9 million for Series A (the series resulting in the lowest population growth) and 20.6 million for Series D (the series with the highest rate of population growth). The respective figures for Series B and C are 19.4 and 20.1 million. By the year 2021 the projected population would be 22.1, 23.3, 24.7 and 26.0 million respectively for Series A, B, C and D. (See Figure 2).

FIGURE 2. PROJECTED POPULATION, AUSTRALIA, 1981 TO 2021



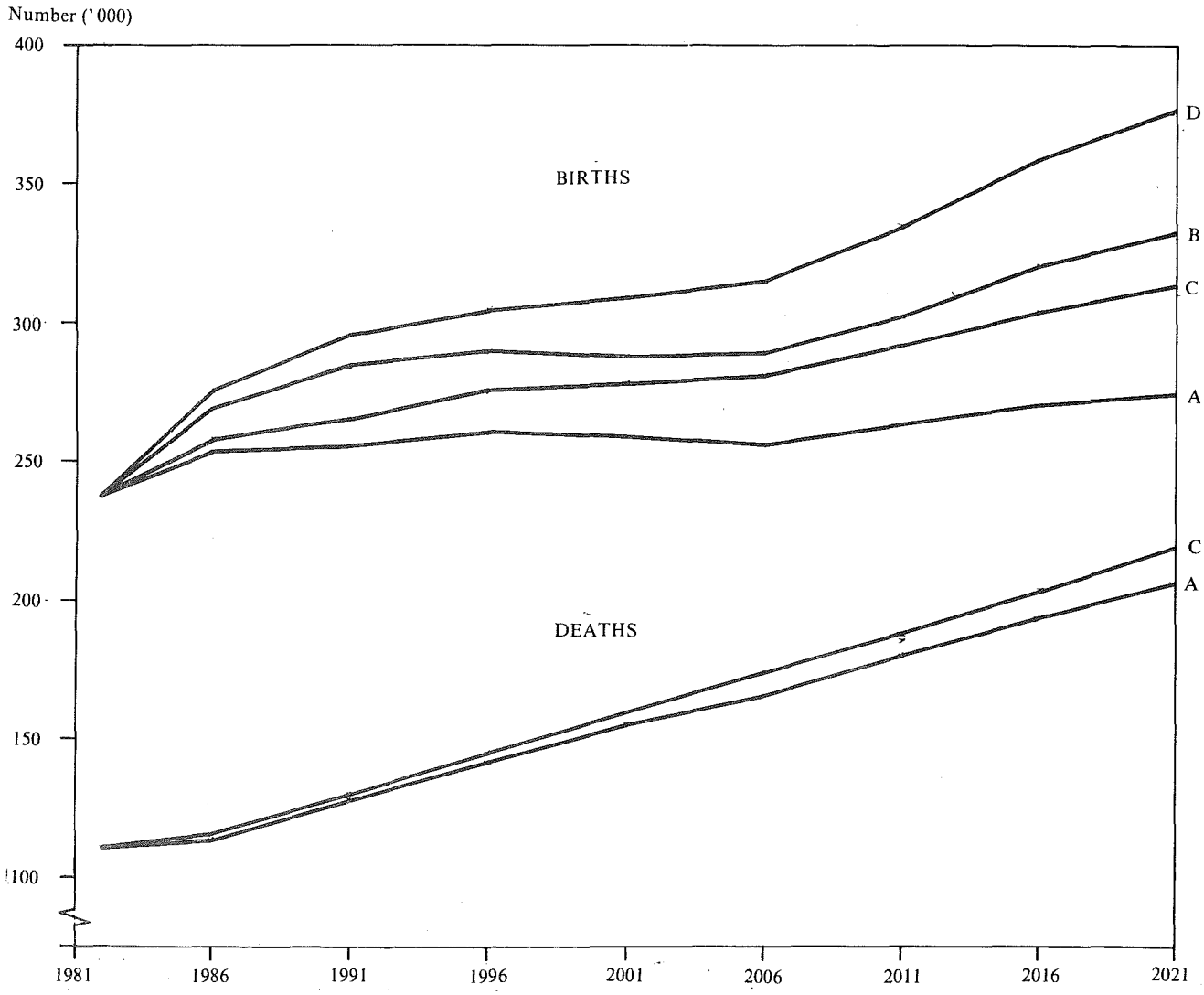
The projected average growth rate for Series A in the ten years to 1991 is 1.31 per cent, slightly lower than the 1.34 per cent recorded for the ten years to 1981. The projected average growth rates for Series B, C and D are 1.4, 1.6 and 1.7 per cent respectively in the ten years to 1991. All four series produce declining rates of growth for the years after 1991.

For the year 2001 the projected annual rates of growth produced by Series A, B, C and D are respectively 0.9, 1.1, 1.2 and 1.4 per cent. These annual rates of growth are reduced to 0.6, 0.9, 0.9 and 1.1 per cent respectively for Series A, B, C and D for the year 2021.

PROJECTED BIRTHS AND DEATHS

The number of births per annum projected by the four series over the next 40 years are all greater than the 231,000 recorded for the year ended 30 June 1981. For Series A the projected number of births are 256,500, 259,100 and 274,900 respectively for the years 1991, 2001 and 2021. For Series B the respective number of births projected are 284,900, 288,500 and 332,500. For Series C the respective number of births projected are 266,700, 278,100 and 313,000. Series D results in the highest number of births projected - 296,300, 309,700 and 376,400 births respectively for the years 1991, 2001 and 2021. (See Figure 3).

FIGURE 3. PROJECTED NUMBER OF BIRTHS AND DEATHS, AUSTRALIA, 1981 TO 2021



The projected crude birth rates produced by Series A show an increase to 16.3 per thousand by 1984 from 15.6 per thousand in 1981 and then decline to 15.2, 13.8 and 12.5 per thousand respectively by 1991, 2001 and 2021. The projected crude birth rates for Series C are similar to Series A, as both series have the same fertility assumption. For Series B and D the crude birth rates are projected to increase to just over 17 per thousand by 1986 and then decline to just over 15 and 14 per thousand respectively by 2001 and 2021.

The number of deaths is projected to increase whilst mortality rates are assumed to decline. The major impact on the number of deaths is the ageing of the population already born and the level of migration. Series A and B project similar numbers of deaths but lower than those projected by either Series C or D. For Series A the annual number of deaths is projected to increase from 109,000 in 1981 to 129,000, 156,000 and 207,000 respectively by 1991, 2001 and 2021. For Series D which projects the highest number of deaths, the annual number of deaths is projected to increase to 131,000, 161,000 and 221,000 respectively by 1991, 2001 and 2021. (See Figure 3).

PROJECTED POPULATION BY AGE

Median Ages

The population is projected to get steadily older over the next 40 years. For Series A the median age is projected to increase from 29.6 years in 1981 to 32.2, 34.7 and 38.2 years respectively by 1991, 2001 and 2021. For Series B the median age is projected to increase to 31.9, 33.9 and 36.2 years respectively by 1991, 2001 and 2021. The median ages projected for the years 1991, 2001 and 2021 are 31.9, 34.2, 37.4 years respectively for Series C and 31.6, 33.4 and 35.5 years respectively for Series D.

Persons of School and Tertiary Education Ages

The population of school ages, that is, 5 to 16 years, is projected to increase only slightly over the next 40 years. For Series A the number is projected to decrease from 3,092,000 in 1981 to 3,012,000 in 1991 and then to increase to 3,262,000 and 3,353,000 respectively by 2001 and 2021. For Series D, which projects the largest increase, the number of persons 5-16 years is projected to 3,168,000, 3,834,000 and 4,348,000 respectively by 1991, 2001 and 2021. (See Figure 4).

The population of tertiary education ages, that is 17 to 22 years, is projected by Series A to increase from 1,589,000 in 1981 to 1,681,000 in 1991 and then to decline to 1,571,000 by 2001 and then to increase to 1,717,000 by 2021. For Series D the number of persons 17 to 22 is projected to increase to 1,734,000, 1,694,000 and 2,142,000 respectively by 1991, 2001 and 2021. (See Figure 5)

FIGURE 4. PROJECTED POPULATION OF SCHOOL AGES, 5 TO 16 YEARS, 1981 TO 2021

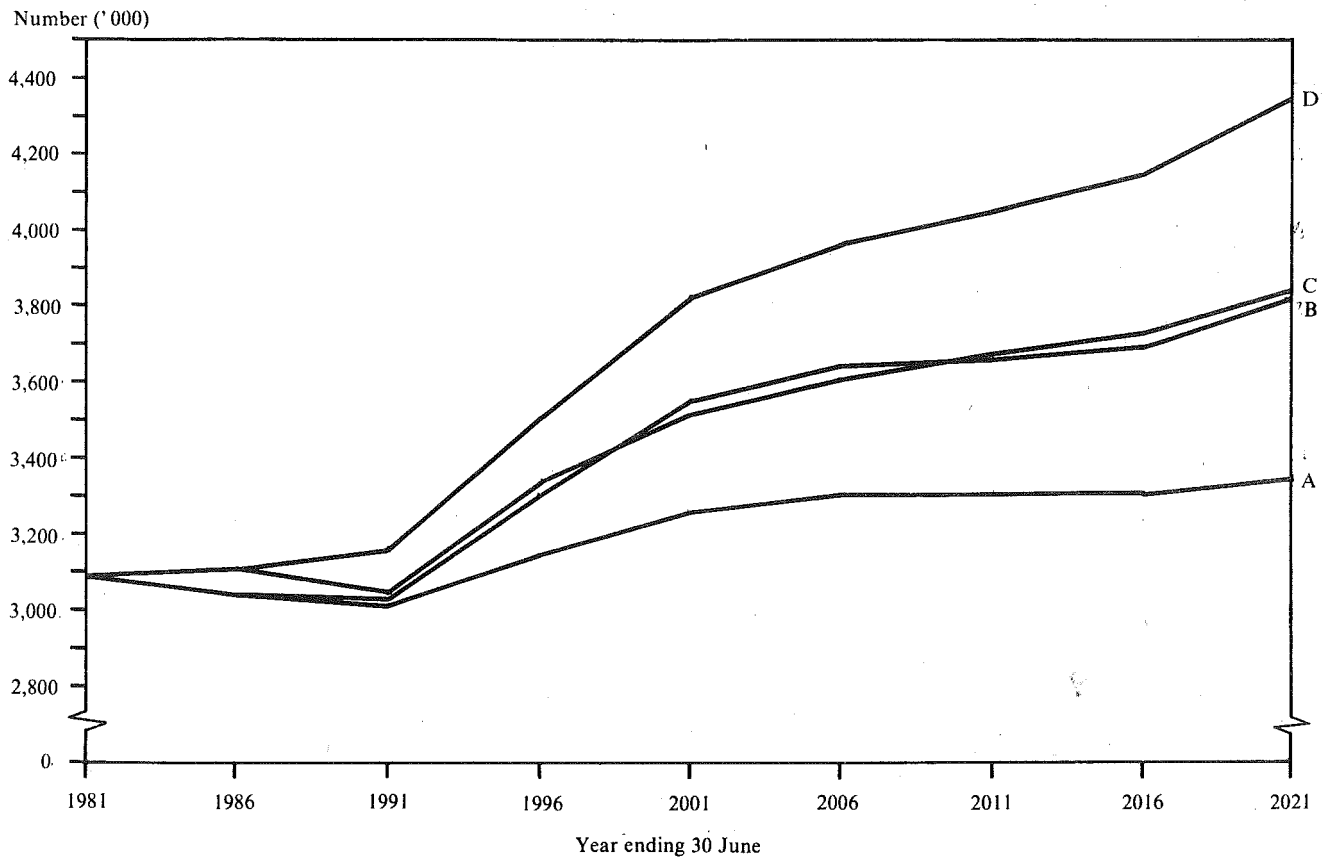
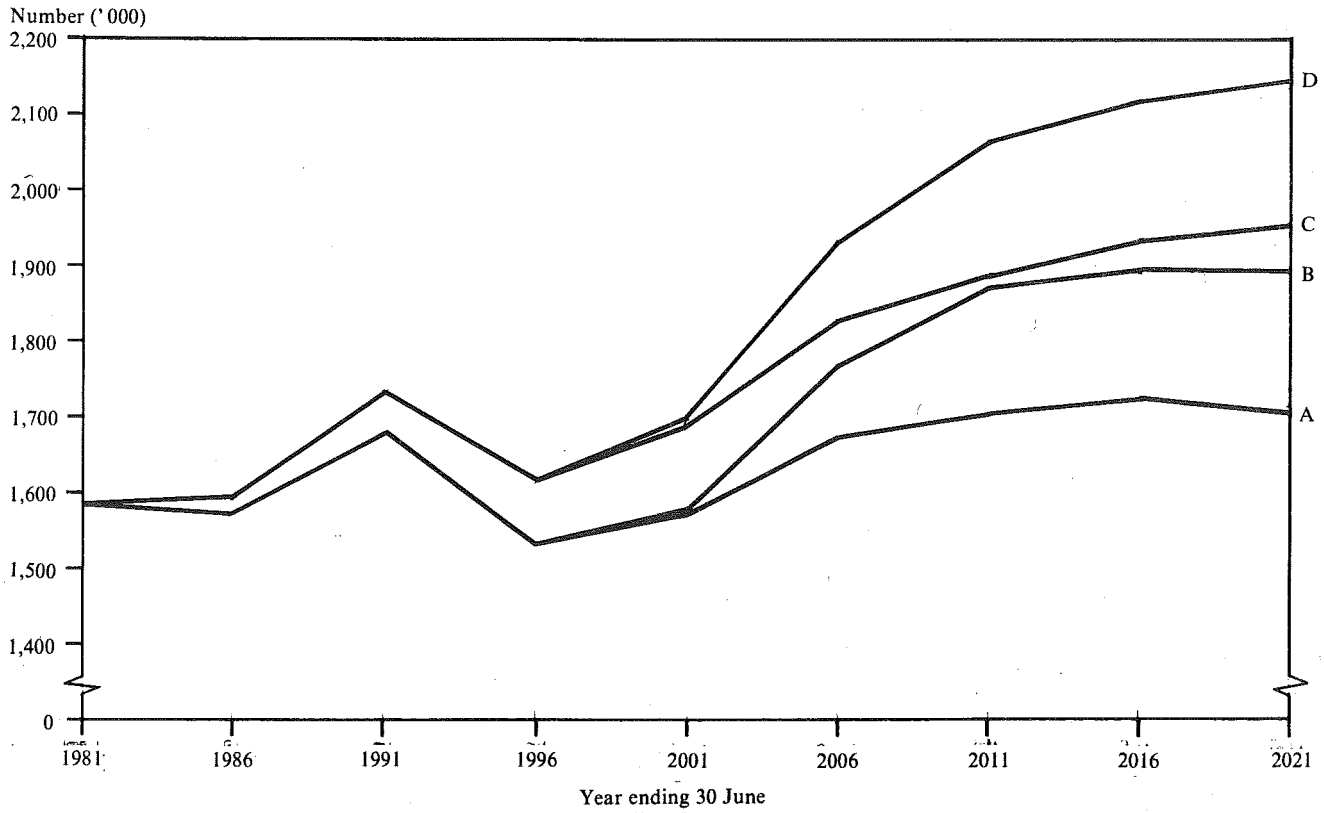


FIGURE 5. PROJECTED POPULATION OF TERTIARY EDUCATION AGES, 17 TO 22 YEARS, 1981 TO 2021



Population of Working Ages

The population of young working ages, that is 15 to 24 years, is projected to change only slightly over the next 20 years. (See Figure 6). The population of prime working ages, that is 25 to 49 years is projected to increase very rapidly over the next 20 years. For Series A the number aged 25 to 49 is projected to increase from 5,016,000 in 1981 to 6,314,000, 7,037,000 and 7,385,000 respectively by 1991, 2001 and 2021. The projected numbers for Series D are 6,541,000, 7,527,000 and 8,701,000 respectively by 1991, 2001 and 2021. (See Figure 7). The population of older working ages, that is 50 to 64 years, is projected to increase only slightly over the next 10 years and more rapidly thereafter. For Series A and B the population 50 to 64 years is projected to increase from 2,128,000 in 1981 to 2,250,000, 2,959,000 and 4,147,000 respectively by 1991, 2001 and 2021. The projected numbers for Series C and D are 2,283,000, 3,056,000 and 4,539,000 respectively by 1991, 2001 and 2021. (See Figure 8).

FIGURE 6. PROJECTED POPULATION OF YOUNG WORKING AGES, 15 TO 24 YEARS, 1981 TO 2021

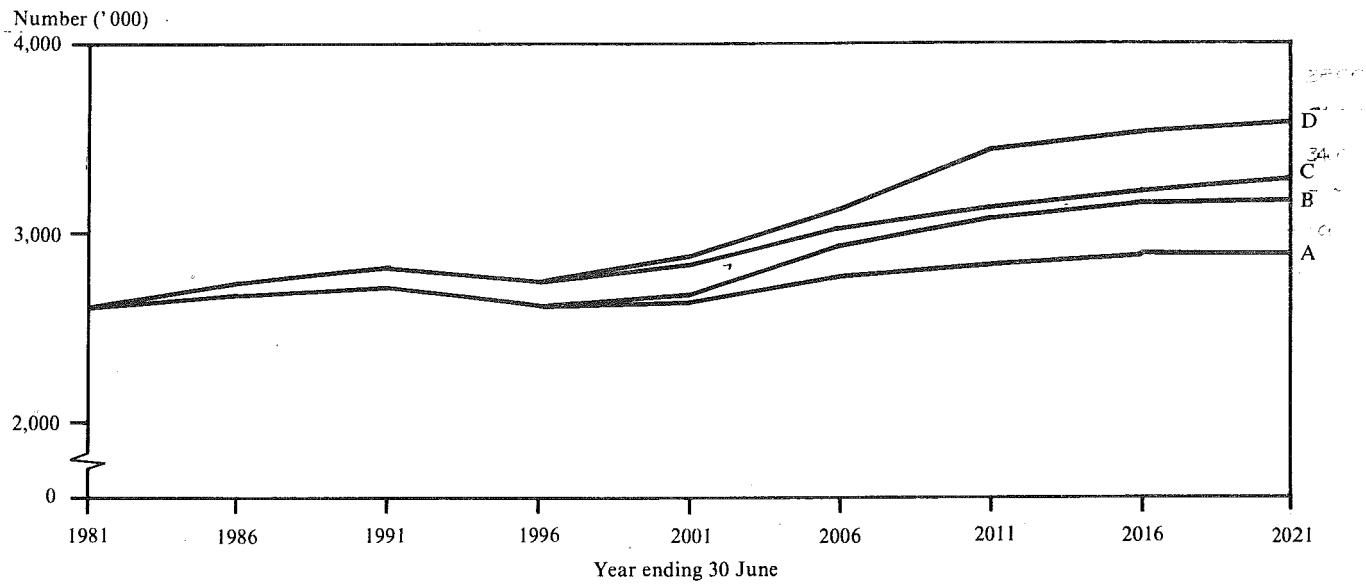


FIGURE 7. PROJECTED POPULATION OF PRIME WORKING AGES, 25 TO 49 YEARS, 1981 TO 2021

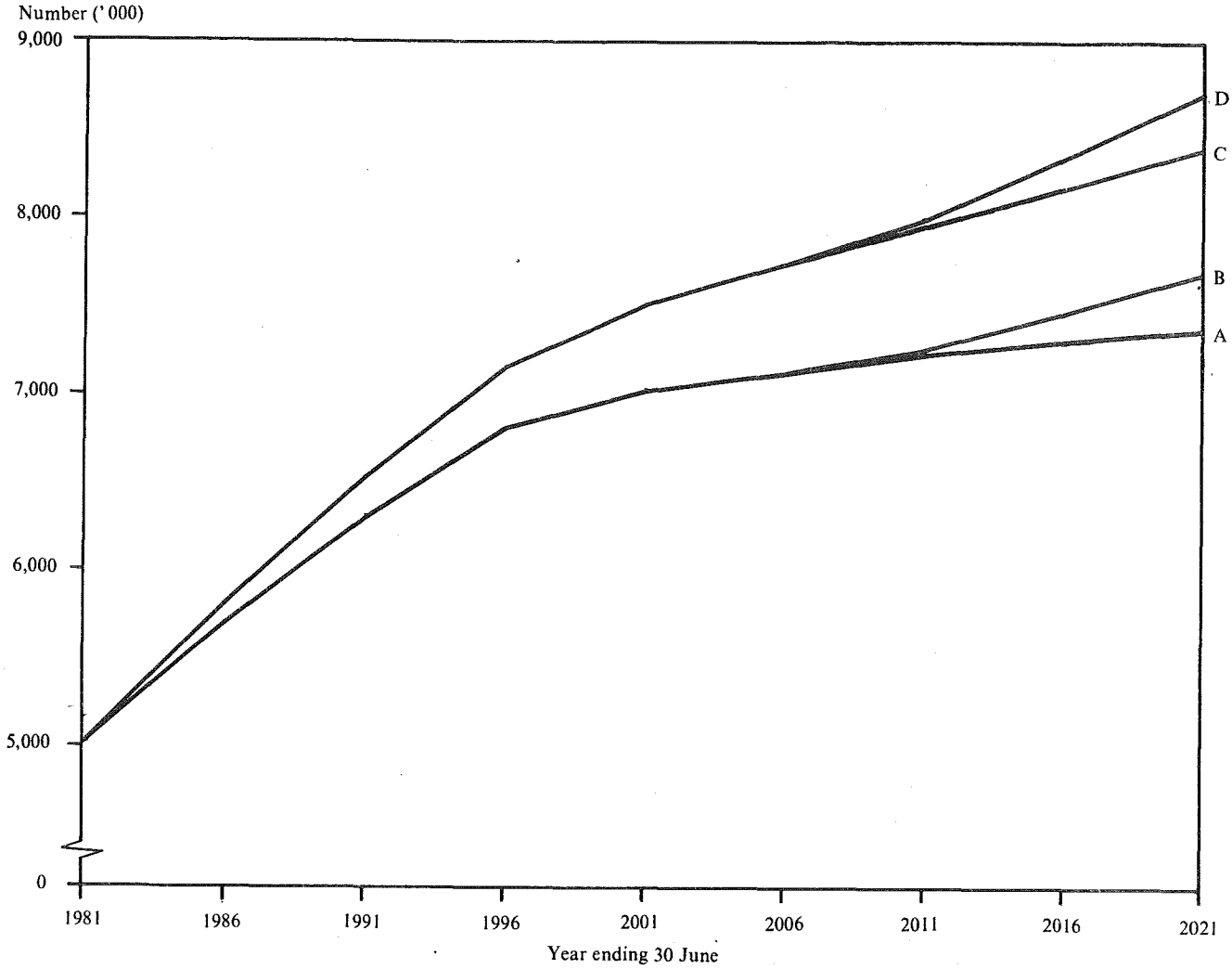
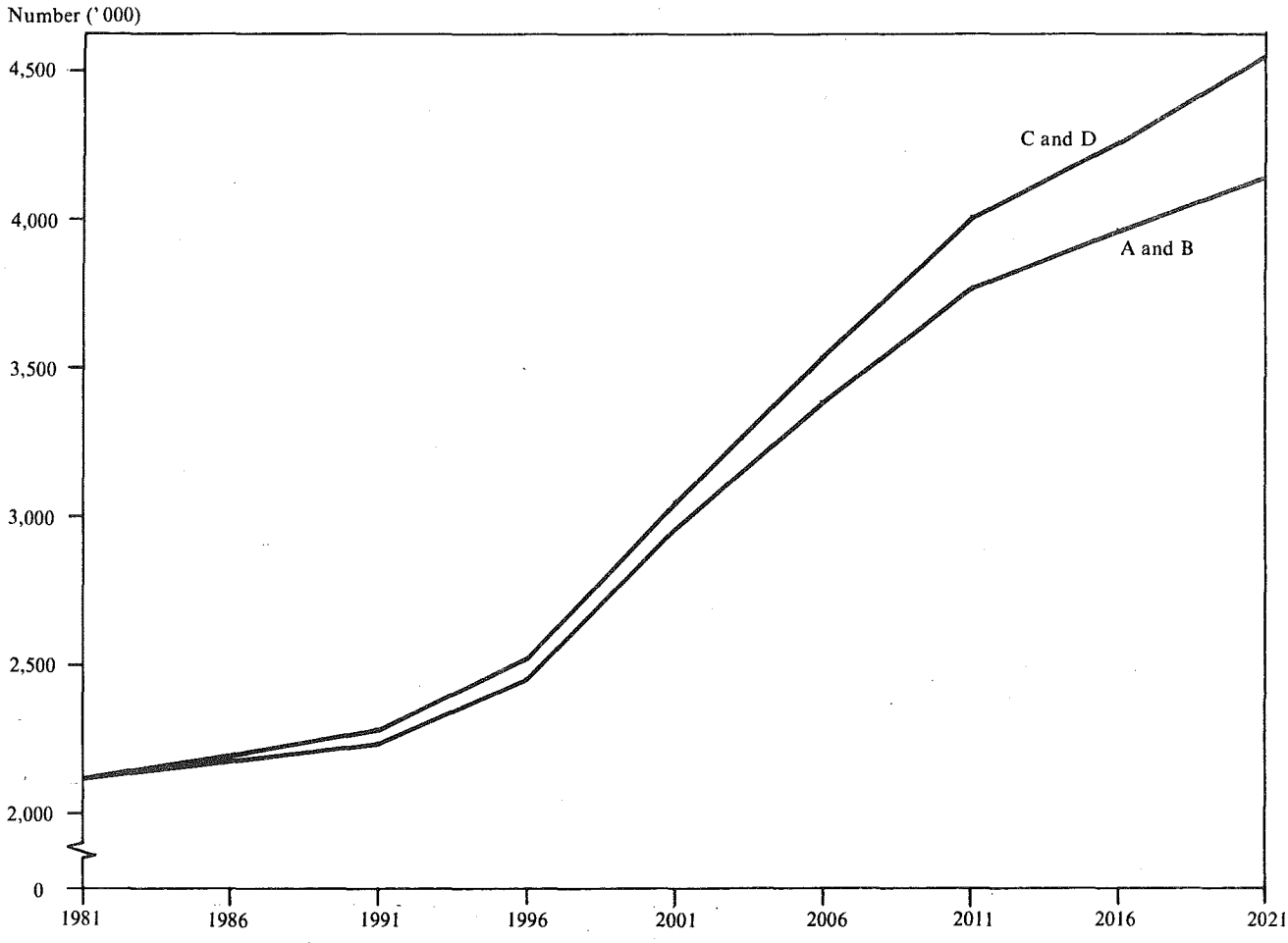


FIGURE 8. PROJECTED POPULATION OF OLDER WORKING AGES, 50-64 YEARS, 1981 TO 2021



Population of Pensionable Ages

The population of pensionable ages, that is males 65 years and over and females 60 years and over, is projected to increase steadily over the next 40 years. For Series A and B the number of persons of pensionable ages is projected to increase from 1,777,000 in 1981 to 2,304,000, 2,648,000 and 4,153,000 respectively by 1991, 2001 and 2021. For Series C and D the numbers projected are 2,336,000, 2,718,000 and 4,403,000 respectively by 1991, 2001 and 2021. In terms of the proportion of the total population, these projected numbers for Series A, B, C and D represent 18.8, 17.8, 17.9 and 16.9 per cent respectively in 2021. These compare with 11.9 per cent in 1981. (See Figure 9).

FIGURE 9. PROJECTED POPULATION OF PENSIONABLE AGE, MALES 65+ AND FEMALES 60+, 1981-2021

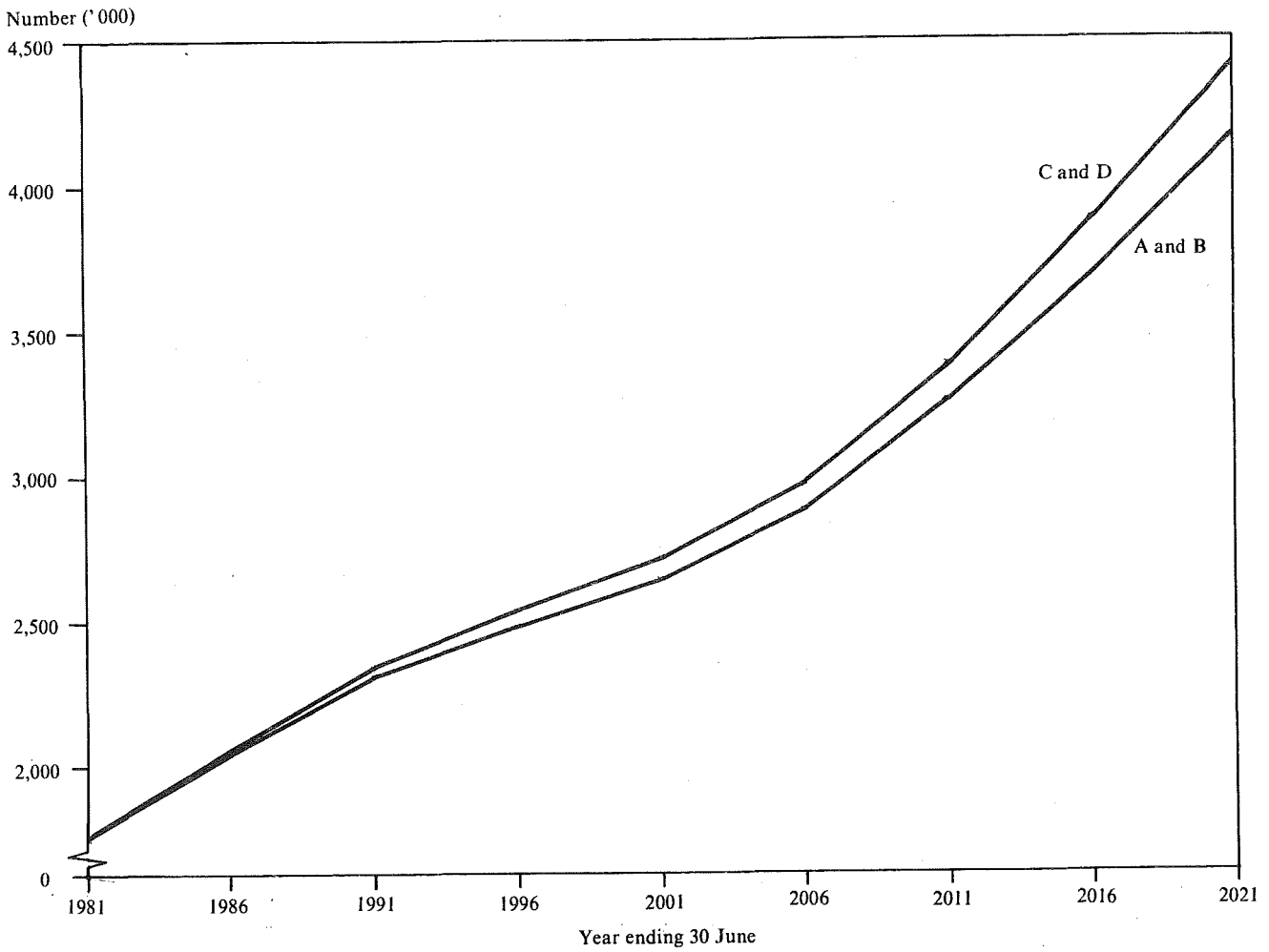


TABLE 1. PROJECTED POPULATION OF AUSTRALIA BY SEX
('000)

	SERIES A			SERIES B			SERIES C			SERIES D		
June	*Males*	*Females*	*Persons*	*Males*	*Females*	*Persons*	*Males*	*Females*	*Persons*	*Males*	*Females*	*Persons*
1981 (a)	7,449.6	7,477.2	14,926.8	7,449.6	7,477.2	14,926.8	7,449.6	7,477.2	14,926.8	7,449.6	7,477.2	14,926.8
1982	7,548.0	7,581.0	15,129.0	7,548.0	7,581.0	15,129.0	7,573.5	7,606.0	15,179.5	7,573.5	7,606.0	15,179.6
1983	7,648.7	7,687.2	15,335.9	7,649.1	7,687.5	15,336.6	7,700.2	7,737.7	15,438.0	7,700.6	7,738.0	15,438.7
1984	7,753.0	7,797.0	15,550.0	7,754.3	7,798.2	15,552.5	7,831.1	7,873.6	15,704.6	7,832.3	7,874.8	15,707.1
1985	7,858.5	7,908.2	15,766.7	7,863.5	7,913.0	15,776.5	7,963.6	8,011.3	15,974.9	7,968.7	8,016.1	15,984.8
1986	7,962.7	8,018.4	15,981.1	7,975.9	8,031.0	16,006.9	8,095.3	8,148.5	16,243.8	8,108.8	8,161.3	16,270.1
1987	8,064.2	8,126.3	16,190.5	8,089.5	8,150.3	16,239.8	8,224.7	8,283.8	16,508.5	8,250.6	8,308.3	16,558.9
1988	8,163.9	8,232.7	16,396.6	8,203.3	8,270.1	16,473.4	8,352.8	8,418.0	16,770.7	8,393.1	8,456.3	16,849.4
1989	8,263.0	8,338.8	16,601.8	8,316.6	8,389.6	16,706.2	8,480.6	8,552.2	17,032.9	8,535.6	8,604.5	17,140.1
1990	8,361.4	8,444.4	16,805.8	8,429.3	8,508.8	16,938.1	8,608.2	8,686.4	17,294.6	8,678.0	8,752.8	17,430.8
1991	8,459.1	8,549.4	17,008.6	8,541.4	8,627.5	17,169.0	8,735.4	8,820.4	17,555.8	8,820.3	8,901.0	17,721.3
1992	8,556.0	8,653.8	17,209.9	8,652.9	8,745.8	17,398.6	8,862.1	8,954.2	17,816.3	8,962.2	9,049.2	18.011.4
1993	8,651.9	8,757.4	17,409.3	8,763.4	8,863.2	17,626.6	8,988.2	9,087.4	18,075.6	9,103.6	9,197.0	18,300.6
1994	8,746.7	8,859.9	17,606.6	8,872.8	8,979.7	17,852.5	9,113.4	9,219.9	18,333.4	9,244.3	9,344.2	18,588.5
1995	8,840.2	8,961.4	17,801.6	8,981.1	9,095.1	18,076.3	9,237.8	9,351.7	18,589.5	9,384.2	9,490.8	18,875.0
1996	8,932.5	9,061.7	17,994.2	9,088.3	9,209.6	18,297.8	9,361.2	9,482.7	18,843.9	9,523.3	9,636.6	19,160.0
1997	9,023.7	9,161.0	18,184.7	9,194.3	9,322.9	18,517.2	9,483.7	9,612.9	19,096.6	9,661.7	9,781.8	19,443.5
1998	9,113.5	9,259.0	18,372.5	9,298.9	9,435.1	18,734.0	9,605.3	9,742.2	19,347.4	9,799.0	9,926.1	19,725.1
1999	9,201.7	9,355.5	18,557.3	9,402.1	9,545.8	18,947.8	9,725.5	9,870.3	19,595.8	9,935.1	10,069.3	20,004.4
2000	9,288.2	9,450.5	18,738.8	9,503.4	9,654.9	19,158.3	9,844.3	9,997.1	19,841.4	10,069.9	10,211.3	20,281.2
2001	9,372.9	9,543.8	18,916.7	9,603.0	9,762.3	19,365.4	9,961.6	10,122.5	20,084.1	10,203.2	10,352.0	20,555.1
2002	9,455.6	9,635.3	19,090.9	9,700.8	9,868.1	19,569.0	10,077.3	10,246.5	20,323.8	10,335.1	10,491.4	20,826.4
2003	9,536.7	9,725.2	19,261.9	9,797.1	9,972.6	19,769.7	10,191.6	10,369.4	20,560.9	10,465.8	10,629.8	21,095.6
2004	9,616.3	9,813.9	19,430.3	9,892.1	10,075.9	19,968.0	10,304.8	10,491.2	20,796.0	10,595.6	10,767.5	21,363.1
2005	9,694.7	9,901.6	19,596.3	9,986.1	10,178.4	20,164.5	10,417.1	10,612.4	21,029.5	10,724.9	10,904.8	21,629.6
2006	9,772.0	9,988.2	19,760.2	10,079.3	10,280.3	20,359.6	10,528.6	10,732.9	21,261.4	10,853.7	11,041.8	21,895.5
2007	9,848.1	10,073.9	19,922.1	10,171.9	10,381.7	20,553.6	10,639.2	10,852.8	21,492.0	10,982.3	11,178.9	22,161.2
2008	9,923.4	10,158.9	20,082.3	10,264.3	10,483.1	20,747.4	10,749.3	10,972.4	21,721.7	11,111.1	11,316.3	22,427.4
2009	9,997.9	10,243.5	20,241.4	10,356.8	10,584.8	20,941.6	10,859.0	11,091.8	21,950.8	11,240.3	11,454.4	22,694.8
2010	10,071.8	10,327.8	20,399.6	10,449.5	10,687.1	21,136.6	10,968.4	11,211.3	22,179.7	11,370.3	11,593.6	22,963.9
2011	10,145.2	10,411.9	20,557.1	10,542.7	10,790.1	21,332.9	11,077.6	11,331.0	22,408.5	11,501.1	11,733.9	23,235.0
2012	10,218.0	10,495.7	20,713.7	10,636.4	10,894.0	21,530.3	11,186.3	11,450.6	22,637.0	11,632.6	11,875.4	23,508.1
2013	10,290.0	10,579.2	20,869.2	10,730.4	10,998.6	21,729.1	11,294.6	11,570.4	22,864.9	11,765.0	12,018.2	23,783.2
2014	10,361.1	10,662.5	21,023.6	10,824.9	11,104.2	21,929.1	11,402.3	11,690.1	23,092.3	11,898.1	12,162.2	24,060.3
2015	10,431.4	10,745.4	21,176.8	10,919.6	11,210.5	22,130.1	11,509.2	11,809.8	23,318.9	12,031.7	12,307.5	24,339.2
2016	10,500.6	10,828.0	21,328.7	11,014.4	11,317.5	22,331.9	11,615.3	11,929.4	23,544.7	12,165.7	12,453.7	24,619.5
2017	10,568.8	10,910.2	21,479.0	11,108.9	11,425.0	22,533.9	11,720.5	12,048.9	23,769.4	12,299.8	12,600.8	24,900.6
2018	10,635.7	10,992.1	21,627.8	11,203.0	11,532.8	22,735.8	11,824.7	12,168.2	23,992.9	12,433.7	12,748.6	25,182.3
2019	10,701.4	11,073.4	21,774.8	11,296.5	11,640.8	22,937.3	11,927.7	12,287.3	24,215.0	12,567.2	12,896.9	25,464.1
2020	10,765.5	11,154.2	21,919.7	11,389.1	11,748.8	23,137.9	12,029.2	12,406.0	24,435.2	12,700.0	13,045.6	25,745.5
2021	10,828.0	11,234.2	22,062.1	11,480.6	11,856.6	23,337.1	12,129.2	12,524.2	24,653.4	12,831.9	13,194.2	26,026.1

(a) Preliminary Estimated Resident Population as at 30 June 1981 based on preliminary results from the 1981 Census.

TABLE 2. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX-SERIES A
('000)

Age group	*June 1981*	*June 1982*	*June 1983*	*June 1984*	*June 1985*	*June 1986*	*June 1991*	*June 1996*	*June 2001*	*June 2006*	*June 2011*	*June 2016*	*June 2021*
						MALES							
0- 4	583.6	590.3	601.0	615.6	631.8	643.4	657.8	673.7	676.6	669.5	677.5	696.5	711.5
5- 9	650.0	630.4	617.3	607.6	603.0	605.6	665.4	679.8	695.8	698.7	691.6	699.6	718.6
10-14	672.8	690.0	698.4	696.3	688.7	668.0	623.7	683.5	697.9	713.8	716.7	709.7	717.7
15-19	661.2	656.9	653.2	658.3	667.3	687.3	682.5	638.4	698.0	712.3	728.2	731.2	724.2
20-24	660.3	672.4	681.4	686.6	684.9	678.1	704.1	699.3	655.6	714.7	728.9	744.7	747.6
25-29	623.4	631.0	640.7	653.1	667.7	681.8	699.5	725.3	720.5	677.2	735.9	750.0	765.7
30-34	620.0	616.0	620.9	627.8	634.4	641.5	699.6	717.3	743.1	738.4	695.4	753.9	768.1
35-39	503.6	542.4	574.4	595.0	612.5	631.4	653.0	711.0	728.8	754.6	750.2	707.6	766.1
40-44	427.5	442.2	453.7	469.7	490.8	507.6	634.4	656.1	713.8	731.7	757.7	753.6	711.7
45-49	377.3	381.0	388.6	401.0	412.2	425.8	504.9	629.7	651.3	708.4	726.2	752.2	748.2
50-54	394.1	389.8	382.2	375.1	371.9	369.5	417.2	494.3	615.5	636.8	692.5	709.9	735.5
55-59	369.8	371.7	375.5	378.2	376.4	377.8	355.3	401.1	474.9	590.9	611.6	665.3	682.2
60-64	292.6	304.0	317.6	331.2	340.4	344.2	353.1	332.6	375.7	445.1	553.5	573.6	624.6
65-69	250.4	251.9	250.9	248.1	251.0	260.7	308.0	316.3	298.7	337.9	400.5	497.7	516.7
70-74	176.0	183.0	189.5	197.0	203.7	207.7	218.1	257.2	264.3	250.1	283.1	335.7	416.3
75-79	106.7	111.3	116.0	121.1	125.4	130.5	155.1	163.2	191.8	197.0	186.5	211.4	250.5
80-84	52.4	55.1	58.0	60.9	63.6	66.7	82.2	97.5	102.8	120.3	123.5	117.0	132.8
85 and over	28.0	28.7	29.4	30.5	32.6	34.9	45.1	56.4	67.8	74.6	85.5	91.1	90.0
All ages	*7,449.6*	*7,548.0*	*7,648.7*	*7,753.0*	*7,858.5*	*7,962.7*	*8,459.1*	*8,932.5*	*9,372.9*	*9,772.0*	*10,145.2*	*10,500.6*	*10,828.0*
						FEMALES							
0- 4	554.9	560.8	570.4	583.7	599.6	610.0	623.4	638.5	641.2	634.5	642.0	660.0	674.2
5- 9	620.9	601.0	587.3	578.5	572.5	574.5	629.5	643.0	658.1	660.9	654.2	661.7	679.8
10-14	643.8	661.1	668.7	664.8	657.1	636.3	590.0	644.9	658.4	673.5	676.2	669.5	677.1
15-19	637.3	629.9	626.0	630.8	639.2	658.2	650.7	604.5	659.3	672.8	687.8	690.6	683.9
20-24	643.0	655.4	663.4	667.2	664.6	658.2	679.1	671.6	625.5	680.2	693.6	708.6	711.3
25-29	608.3	617.8	627.0	639.4	653.2	667.7	682.9	703.7	696.2	650.2	704.8	718.1	733.2
30-34	605.4	602.4	609.6	615.7	623.4	627.6	686.9	702.1	722.9	715.4	669.5	724.0	737.4
35-39	486.0	524.3	555.5	578.3	595.2	616.7	638.9	698.2	713.4	734.2	726.9	681.3	735.7
40-44	406.8	421.8	433.6	449.9	474.1	491.3	621.5	643.8	702.9	718.2	739.2	732.0	686.8
45-49	357.5	362.6	371.3	385.1	394.6	408.2	492.3	621.5	643.8	702.7	718.1	739.2	732.3
50-54	379.2	373.9	367.6	360.9	359.3	356.2	406.6	489.6	617.1	639.4	697.8	713.2	734.4
55-59	370.9	371.5	373.1	374.9	371.4	374.2	352.1	401.5	482.8	607.4	629.4	686.7	701.8
60-64	321.4	331.7	343.4	354.2	362.8	361.8	365.7	344.6	392.4	471.2	591.7	613.3	669.0
65-69	285.4	289.7	291.4	290.8	294.3	307.5	346.5	350.6	331.1	377.1	452.6	567.7	589.1
70-74	225.3	233.6	241.3	250.2	259.0	262.7	284.8	321.4	326.3	309.3	353.1	424.5	533.3
75-79	154.4	161.3	169.7	178.2	184.7	194.4	229.3	250.2	283.7	289.8	276.6	317.7	384.2
80-84	102.2	104.6	107.4	110.9	114.3	118.2	151.9	180.7	199.7	228.4	235.9	228.0	264.9
85 and over	74.5	77.6	80.6	83.5	88.8	94.8	117.4	151.4	189.0	223.1	262.5	291.9	306.0
All ages	*7,477.2*	*7,581.0*	*7,687.2*	*7,797.0*	*7,908.2*	*8,018.4*	*8,549.4*	*9,061.7*	*9,543.8*	*9,988.2*	*10,411.9*	*10,828.0*	*11,234.2*

TABLE 2. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX—SERIES B
('000)

Age group	*June 1981*	*June 1982*	*June 1983*	*June 1984*	*June 1985*	*June 1986*	*June 1991*	*June 1996*	*June 2001*	*June 2006*	*June 2011*	*June 2016*	*June 2021*
						MALES							
0- 4	583.6	590.4	601.3	616.9	636.8	656.6	726.9	747.3	751.3	747.2	768.8	814.4	852.5
5- 9	650.0	630.4	617.3	607.6	603.0	605.6	678.6	748.8	769.2	773.2	769.2	790.8	836.3
10-14	672.8	690.0	698.4	696.3	688.7	668.0	623.7	696.6	766.7	787.2	791.2	787.2	808.8
15-19	661.2	656.9	653.2	658.3	667.3	687.3	682.5	638.4	711.1	781.0	801.3	805.4	801.4
20-24	660.3	672.4	681.4	686.6	684.9	678.1	704.1	699.3	655.6	727.7	797.0	817.2	821.2
25-29	623.4	631.0	640.7	653.1	667.7	681.8	699.5	725.3	720.5	677.2	748.8	817.6	837.7
30-34	620.0	616.0	620.9	627.8	634.4	641.5	699.6	717.3	743.1	738.4	695.4	766.7	835.3
35-39	503.6	542.4	574.4	595.0	612.5	631.4	653.0	711.0	728.8	754.6	750.2	707.6	778.9
40-44	427.5	442.2	453.7	469.7	490.8	507.6	634.4	656.1	713.8	731.7	757.7	753.6	711.7
45-49	377.3	381.0	388.6	401.0	412.2	425.8	504.9	629.7	651.3	708.4	726.2	752.2	748.2
50-54	394.1	389.8	382.2	375.1	371.9	369.5	417.2	494.3	615.5	636.8	692.5	709.9	735.5
55-59	369.8	371.7	375.5	378.2	376.4	377.8	355.3	401.1	474.9	590.9	611.6	665.3	682.2
60-64	292.6	304.0	317.6	331.2	340.4	344.2	353.1	332.6	375.7	445.1	553.5	573.6	624.6
65-69	250.4	251.9	250.9	248.1	251.0	260.7	308.0	316.3	298.7	337.9	400.5	497.7	516.7
70-74	176.0	183.0	189.5	197.0	203.7	207.7	218.1	257.2	264.3	250.1	283.1	335.7	416.3
75-79	106.7	111.3	116.0	121.1	125.4	130.5	155.1	163.2	191.8	197.0	186.5	211.4	250.5
80-84	52.4	55.1	58.0	60.9	63.6	66.7	82.2	97.5	102.8	120.3	123.5	117.0	132.8
85 and over	28.0	28.7	29.4	30.5	32.6	34.9	45.1	56.4	67.8	74.6	85.5	91.1	90.0
All ages	*7,449.6*	*7,548.0*	*7,649.1*	*7,754.3*	*7,863.5*	*7,975.9*	*8,541.4*	*9,088.3*	*9,603.0*	*10,079.3*	*10,542.7*	*11,014.4*	*11,480.6*
						FEMALES							
0- 4	554.9	560.8	570.7	584.9	604.4	622.5	689.0	708.4	712.1	708.2	728.7	771.9	808.0
5- 9	620.9	601.0	587.3	578.5	572.5	574.5	642.0	708.5	727.9	731.7	727.8	748.3	791.5
10-14	643.8	661.1	668.7	664.8	657.1	636.3	590.0	657.4	723.8	743.2	747.0	743.1	763.6
15-19	637.3	629.9	626.0	630.8	639.2	658.2	650.7	604.5	671.8	738.1	757.4	761.2	757.4
20-24	643.0	655.4	663.4	667.2	664.6	658.2	679.1	671.6	625.5	692.6	758.7	778.0	781.8
25-29	608.3	617.8	627.0	639.4	653.2	667.7	682.9	703.7	696.2	650.2	717.2	783.2	802.4
30-34	605.4	602.4	609.6	615.7	623.4	627.6	686.9	702.1	722.9	715.4	669.5	736.4	802.3
35-39	486.0	524.3	555.5	578.3	595.2	616.7	638.9	698.2	713.4	734.2	726.9	681.3	748.0
40-44	406.8	421.8	433.6	449.9	474.1	491.3	621.5	643.8	702.9	718.2	739.2	732.0	686.8
45-49	357.5	362.6	371.3	385.1	394.6	408.2	492.3	621.5	643.8	702.7	718.1	739.2	732.3
50-54	379.2	373.9	367.6	360.9	359.3	356.2	406.6	489.6	617.1	639.4	697.8	713.2	734.4
55-59	370.9	371.5	373.1	374.9	371.4	374.2	352.1	401.5	482.8	607.4	629.4	686.7	701.8
60-64	321.4	331.7	343.4	354.2	362.8	361.8	365.7	344.6	392.4	471.2	591.7	613.3	669.0
65-69	285.4	289.7	291.4	290.8	294.3	307.5	346.5	350.6	331.1	377.1	452.6	567.7	589.1
70-74	225.3	233.6	241.3	250.2	259.0	262.7	284.8	321.4	326.3	309.3	353.1	424.5	533.3
75-79	154.4	161.3	169.7	178.2	184.7	194.4	229.3	250.2	283.7	289.8	276.6	317.7	384.2
80-84	102.2	104.6	107.4	110.9	114.3	118.2	151.9	180.7	199.7	228.4	235.9	228.0	264.9
85 and over	74.5	77.6	80.6	83.5	88.8	94.8	117.4	151.4	189.0	223.1	262.5	291.9	306.0
All ages	*7,477.2*	*7,581.0*	*7,687.5*	*7,798.2*	*7,913.0*	*8,031.0*	*8,627.5*	*9,209.6*	*9,762.3*	*10,280.3*	*10,790.1*	*11,317.5*	*11,856.6*

TABLE 2. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX—SERIES C
('000)

Age group	*June 1981*	*June 1982*	*June 1983*	*June 1984*	*June 1985*	*June 1986*	*June 1991*	*June 1996*	*June 2001*	*June 2006*	*June 2011*	*June 2016*	*June 2021*
						MALES							
0- 4	583.6	593.7	607.7	625.6	645.0	659.5	687.4	715.2	729.2	734.1	754.9	786.6	813.3
5- 9	650.0	633.1	623.0	616.4	614.9	620.9	696.8	724.6	752.4	766.4	771.3	792.2	823.8
10-14	672.8	692.3	703.0	703.4	698.4	680.3	651.3	727.1	754.9	782.7	796.7	801.6	822.5
15-19	661.2	659.1	657.5	664.6	675.7	698.0	705.4	676.5	752.1	779.9	807.5	821.5	826.5
20-24	660.3	675.6	687.6	695.6	696.4	691.9	728.5	735.8	707.2	782.2	809.7	837.1	851.0
25-29	623.4	634.2	647.2	663.0	681.0	698.4	729.8	766.1	773.4	745.0	819.5	846.8	874.1
30-34	620.0	618.7	626.5	636.3	646.0	656.2	730.8	762.2	798.3	805.7	777.6	851.8	879.1
35-39	503.6	544.2	578.2	601.0	620.9	642.3	678.5	752.9	784.3	820.5	828.1	800.3	874.4
40-44	427.5	443.3	456.0	473.3	495.9	514.4	652.0	688.1	762.1	793.5	829.8	837.6	810.4
45-49	377.3	381.7	390.0	403.3	415.4	430.0	515.8	651.2	687.1	760.2	791.3	827.4	835.2
50-54	394.1	390.3	383.2	376.6	374.0	372.3	424.0	507.5	639.2	674.3	745.6	775.9	811.5
55-59	369.8	372.1	376.3	379.4	378.1	379.9	360.0	409.7	489.7	615.6	649.6	718.2	747.4
60-64	292.6	304.3	318.3	332.1	341.7	345.9	356.7	338.6	385.4	460.5	578.2	610.7	675.7
65-69	250.4	252.4	251.8	249.4	252.7	262.7	311.4	321.5	306.0	348.5	416.3	521.8	552.0
70-74	176.0	183.3	190.0	197.9	205.0	209.4	221.4	261.7	270.3	257.8	293.6	350.5	438.0
75-79	106.7	111.4	116.3	121.6	126.0	131.3	157.2	166.4	196.0	202.2	193.1	220.0	262.4
80-84	52.4	55.2	58.1	61.1	63.9	67.1	83.1	99.1	105.1	123.3	127.1	121.5	138.6
85 and over	28.0	28.7	29.4	30.5	32.7	35.0	45.4	56.9	68.8	76.2	87.6	93.7	93.2
All ages	*7,449.6*	*7,573.5*	*7,700.2*	*7,831.1*	*7,963.6*	*8,095.3*	*8,735.4*	*9,361.2*	*9,961.6*	*10,528.6*	*11,077.6*	*11,615.3*	*12,129.2*
						FEMALES							
0- 4	554.9	563.8	576.4	592.7	611.6	624.8	651.0	677.4	690.6	695.2	715.0	745.0	770.3
5- 9	620.9	603.4	592.3	586.2	583.1	588.0	657.8	684.0	710.4	723.7	728.3	748.1	778.1
10-14	643.8	663.0	672.6	670.9	665.3	646.9	614.0	683.7	709.9	736.2	749.5	754.2	773.9
15-19	637.3	632.0	630.2	636.9	647.1	668.1	671.1	638.3	707.9	734.1	760.3	773.6	778.2
20-24	643.0	658.7	669.8	676.5	676.4	672.4	703.1	706.1	673.3	742.7	768.9	795.1	808.3
25-29	608.3	621.1	633.8	649.7	667.0	685.0	714.3	744.9	747.9	715.2	784.5	810.5	836.7
30-34	605.4	605.0	614.9	623.8	634.7	642.0	718.6	747.8	778.4	781.4	748.8	818.0	844.0
35-39	486.0	525.8	558.8	583.5	602.5	626.3	662.9	739.3	768.6	799.2	802.3	770.0	839.0
40-44	406.8	422.8	435.6	453.1	478.6	497.1	636.9	673.5	749.7	779.0	809.7	813.0	781.0
45-49	357.5	363.3	372.6	387.2	397.5	412.0	501.9	640.5	677.1	753.0	782.2	813.0	816.5
50-54	379.2	374.5	368.8	362.7	361.7	359.1	413.3	502.0	638.9	675.2	750.3	779.4	810.2
55-59	370.9	372.1	374.2	376.6	373.7	377.0	357.9	410.9	497.8	631.6	667.3	741.0	769.5
60-64	321.4	332.4	344.7	356.2	365.4	365.0	371.6	353.3	404.7	488.9	618.3	653.1	724.7
65-69	285.4	290.3	292.6	292.6	296.7	310.5	352.6	359.4	342.6	391.9	472.5	596.2	630.2
70-74	225.3	233.9	242.0	251.4	260.6	264.8	289.7	329.1	336.4	322.0	368.9	445.2	561.9
75-79	154.4	161.5	170.1	178.8	185.6	195.6	232.3	255.7	291.6	299.9	289.1	333.1	404.0
80-84	102.2	104.7	107.6	111.2	114.8	118.7	153.4	183.7	204.7	235.4	244.8	238.8	278.3
85 and over	74.5	77.7	80.7	83.6	89.0	95.1	118.2	153.1	192.1	228.4	270.3	302.3	319.3
All ages	*7,477.2*	*7,606.0*	*7,737.7*	*7,873.6*	*8,011.3*	*8,148.5*	*8,820.4*	*9,482.7*	*10,122.5*	*10,732.9*	*11,331.0*	*11,929.4*	*12,524.2*

TABLE 2. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX—SERIES D
('000)

Age group	*June 1981*	*June 1982*	*June 1983*	*June 1984*	*June 1985*	*June 1986*	*June 1991*	*June 1996*	*June 2001*	*June 2006*	*June 2011*	*June 2016*	*June 2021*
						MALES							
0- 4	583.6	593.7	608.0	626.9	650.1	673.0	758.8	792.6	808.9	818.2	854.5	915.3	967.8
5- 9	650.0	633.1	623.0	616.4	614.9	620.9	710.2	795.9	829.7	846.0	855.3	891.5	952.2
10-14	672.8	692.3	703.0	703.4	698.4	680.3	651.3	740.5	826.1	859.8	876.2	885.5	921.7
15-19	661.2	659.1	657.5	664.6	675.7	698.0	705.4	676.5	765.5	850.8	884.4	900.7	910.0
20-24	660.3	675.6	687.6	695.6	696.4	691.9	728.5	735.8	707.2	795.5	880.1	913.4	929.6
25-29	623.4	634.2	647.2	663.0	681.0	698.4	729.8	766.1	773.4	745.0	832.7	916.7	949.8
30-34	620.0	618.7	626.5	636.3	646.0	656.2	730.8	762.2	798.3	805.7	777.6	864.9	948.6
35-39	503.6	544.2	578.2	601.0	620.9	642.3	678.5	752.9	784.3	820.5	828.1	800.3	887.5
40-44	427.5	443.3	456.0	473.3	495.9	514.4	652.0	688.1	762.1	793.5	829.8	837.6	810.4
45-49	377.3	381.7	390.0	403.3	415.4	430.0	515.8	651.2	687.1	760.2	791.3	827.4	835.2
50-54	394.1	390.3	383.2	376.6	374.0	372.3	424.0	507.5	639.2	674.3	745.6	775.9	811.5
55-59	369.8	372.1	376.3	379.4	378.1	379.9	360.0	409.7	489.7	615.6	649.6	718.2	747.4
60-64	292.6	304.3	318.3	332.1	341.7	345.9	356.7	338.6	385.4	460.5	578.2	610.7	675.7
65-69	250.4	252.4	251.8	249.4	252.7	262.7	311.4	321.5	306.0	348.5	416.3	521.8	552.0
70-74	176.0	183.3	190.0	197.9	205.0	209.4	221.4	261.7	270.3	257.8	293.6	350.5	438.1
75-79	106.7	111.4	116.3	121.6	126.0	131.3	157.2	166.4	196.0	202.2	193.1	220.0	262.4
80-84	52.4	55.2	58.1	61.1	63.9	67.1	83.1	99.1	105.1	123.3	127.1	121.5	138.6
85 and over	28.0	28.7	29.4	30.5	32.7	35.0	45.4	56.9	68.8	76.2	87.6	93.7	93.2
All ages	*7,449.6*	*7,573.5*	*7,700.6*	*7,832.3*	*7,968.7*	*8,108.8*	*8,820.3*	*9,523.3*	*10,203.2*	*10,853.7*	*11,501.1*	*12,165.7*	*12,831.9*
						FEMALES							
0- 4	554.9	563.8	576.7	593.9	616.4	637.6	718.8	750.8	766.3	775.1	809.5	867.1	917.0
5- 9	620.9	603.4	592.3	586.2	583.1	588.0	670.5	751.7	783.7	799.3	808.0	842.5	900.1
10-14	643.8	663.0	672.6	670.9	665.3	646.9	614.0	696.4	777.6	809.5	825.0	833.8	868.2
15-19	637.3	632.0	630.2	636.9	647.1	668.1	671.1	638.3	720.6	801.6	833.5	849.0	857.7
20-24	643.0	658.7	669.8	676.5	676.4	672.4	703.1	706.1	673.3	755.5	836.2	868.1	883.5
25-29	608.3	621.1	633.8	649.7	667.0	685.0	714.3	744.9	747.9	715.2	797.1	877.7	909.5
30-34	605.4	605.0	614.9	623.8	634.7	642.0	718.6	747.8	778.4	781.4	748.8	830.6	911.0
35-39	486.0	525.8	558.8	583.5	602.5	626.3	662.9	739.3	768.6	799.2	802.3	770.0	851.6
40-44	406.8	422.8	435.6	453.1	478.6	497.1	636.9	673.5	749.7	779.0	809.7	813.0	781.0
45-49	357.5	363.3	372.6	387.2	397.5	412.0	501.9	640.5	677.1	753.0	782.2	813.0	816.5
50-54	379.2	374.5	368.8	362.7	361.7	359.1	413.3	502.0	638.9	675.2	750.3	779.4	810.2
55-59	370.9	372.1	374.2	376.6	373.7	377.0	357.9	410.9	497.8	631.6	667.3	741.0	769.5
60-64	321.4	332.4	344.7	356.2	365.4	365.0	371.6	353.3	404.7	488.9	618.3	653.1	724.7
65-69	285.4	290.3	292.6	292.6	296.7	310.5	352.6	359.4	342.6	391.9	472.5	596.2	630.2
70-74	225.3	233.9	242.0	251.4	260.6	264.8	289.7	329.1	336.4	322.0	368.9	445.2	561.9
75-79	154.4	161.5	170.1	178.8	185.6	195.6	232.3	255.7	291.6	299.9	289.1	333.1	404.0
80-84	102.2	104.7	107.6	111.2	114.8	118.7	153.4	183.7	204.7	235.4	244.8	238.8	278.3
85 and over	74.5	77.7	80.7	83.6	89.0	95.1	118.2	153.1	192.1	228.4	270.3	302.3	319.3
All ages	*7,477.2*	*7,606.0*	*7,738.0*	*7,874.8*	*8,016.1*	*8,161.3*	*8,901.0*	*9,636.6*	*10,352.0*	*11,041.8*	*11,733.9*	*12,453.7*	*13,194.2*

TABLE 3. PROJECTED POPULATION OF AUSTRALIA : GROUPED AGES, MASCULINITY RATIOS, MEAN AND MEDIAN AGES—SERIES A ('000)

Age group	*June 1981*	*June 1982*	*June 1983*	*June 1984*	*June 1985*	*June 1986*	*June 1991*	*June 1996*	*June 2001*	*June 2006*	*June 2011*	*June 2016*	*June 2021*
						PERSONS							
0- 4	1,138.5	1,151.1	1,171.4	1,199.3	1,231.5	1,253.3	1,281.2	1,312.2	1,317.8	1,304.0	1,319.5	1,356.5	1,385.7
5- 9	1,270.9	1,231.3	1,204.6	1,186.2	1,175.5	1,180.1	1,295.0	1,322.9	1,353.9	1,359.5	1,345.8	1,361.3	1,398.4
10-14	1,316.6	1,351.1	1,367.1	1,361.1	1,345.9	1,304.4	1,213.7	1,328.4	1,356.3	1,387.3	1,393.0	1,379.3	1,394.8
15-19	1,298.5	1,286.8	1,279.2	1,289.1	1,306.4	1,345.6	1,333.2	1,242.8	1,357.3	1,385.1	1,416.1	1,421.7	1,408.1
20-24	1,303.4	1,327.8	1,344.8	1,353.8	1,349.5	1,336.4	1,383.2	1,370.9	1,281.0	1,394.9	1,422.5	1,453.3	1,458.9
25-29	1,231.7	1,248.7	1,267.7	1,292.5	1,320.9	1,349.5	1,382.4	1,429.0	1,416.8	1,327.3	1,440.6	1,468.2	1,498.8
30-34	1,225.4	1,218.4	1,230.5	1,243.5	1,257.8	1,269.0	1,386.5	1,419.4	1,465.9	1,453.9	1,364.9	1,477.9	1,505.5
35-39	989.6	1,066.7	1,130.0	1,173.3	1,207.7	1,248.0	1,291.9	1,409.1	1,442.1	1,488.8	1,477.1	1,388.9	1,501.8
40-44	834.3	864.0	887.3	919.6	964.9	999.0	1,255.9	1,299.9	1,416.8	1,450.0	1,496.9	1,485.6	1,398.5
45-49	734.8	743.6	759.8	786.0	806.8	834.0	997.3	1,251.2	1,295.1	1,411.2	1,444.3	1,491.4	1,480.6
50-54	773.2	763.7	749.8	736.0	731.3	725.7	823.8	983.9	1,232.6	1,276.2	1,390.3	1,423.1	1,469.9
55-59	740.6	743.2	748.5	753.1	747.8	752.0	707.4	802.5	957.7	1,198.3	1,241.0	1,352.0	1,383.9
60-64	613.9	635.7	661.0	685.3	703.2	706.0	718.8	677.2	768.2	916.3	1,145.2	1,186.9	1,293.6
65-69	535.8	541.7	542.3	538.9	545.3	568.2	654.5	667.0	629.8	715.0	853.0	1,065.4	1,105.8
70-74	401.2	416.6	430.7	447.2	462.7	470.4	502.9	578.6	590.6	559.4	636.2	760.2	949.6
75-79	261.1	272.6	285.7	299.3	310.1	324.9	384.4	413.3	475.5	486.8	463.2	529.1	634.7
80-84	154.6	159.8	165.4	171.8	177.9	184.9	234.1	278.2	302.4	348.7	359.4	345.0	397.7
85 and over	102.5	106.3	110.0	114.0	121.4	129.7	162.5	207.7	256.8	297.7	348.1	383.0	396.0
All ages	*14,926.8*	*15,129.0*	*15,336.0*	*15,550.0*	*15,766.7*	*15,981.1*	*17,008.6*	*17,994.2*	*18,916.7*	*19,760.2*	*20,557.1*	*21,328.7*	*22,062.1*
						NUMBER ('000)							
0-14	3726.1	3,733.5	3,743.1	3,746.6	3,752.8	3,737.8	3,789.9	3,963.5	4,028.0	4,050.8	4,058.2	4,097.1	4,178.9
15-24	2,601.9	2,614.5	2,624.0	2,642.9	2,655.9	2,682.0	2,716.4	2,613.7	2,638.3	2,779.9	2,838.5	2,875.0	2,867.0
15-44	6,882.9	7,012.4	7,139.4	7,271.8	7,407.3	7,547.5	8,033.1	8,171.1	8,379.9	8,499.9	8,618.1	8,695.6	8,771.5
45-64	2,862.6	2,886.1	2,919.2	2,960.4	2,989.1	3,017.7	3,247.2	3,714.8	4,253.7	4,802.0	5,220.9	5,453.4	5,627.9
65+	1,455.2	1,496.9	1,534.2	1,571.2	1,617.5	1,678.0	1,938.4	2,144.9	2,255.1	2,407.6	2,659.9	3,082.6	3,483.8
18+	10,435.5	10,638.1	10,833.2	11,025.4	11,217.2	11,411.7	12,449.7	13,286.2	14,062.4	14,877.5	15,650.7	16,383.2	17,042.2
						PERCENTAGE AGE DISTRIBUTION							
0-14	24.96	24.68	24.41	24.09	23.80	23.39	22.28	22.03	21.29	20.50	19.74	19.21	18.94
15-24	17.43	17.28	17.11	17.00	16.85	16.78	15.97	14.53	13.95	14.07	13.81	13.48	13.00
15-44	46.11	46.35	46.55	46.76	46.98	47.23	47.23	45.41	44.30	43.02	41.92	40.77	39.76
45-64	19.18	19.08	19.03	19.04	18.96	18.88	19.09	20.64	22.49	24.30	25.40	25.57	25.51
65+	9.75	9.89	10.00	10.10	10.26	10.50	11.40	11.92	11.92	12.18	12.94	14.45	15.79
18+	69.91	70.32	70.64	70.90	71.14	71.41	73.20	73.84	74.34	75.29	76.13	76.81	77.25
						MASCULINITY RATIOS							
0-14	104.76	104.82	104.94	105.06	105.15	105.28	105.64	105.74	105.75	105.75	105.75	105.75	105.75
15-24	103.21	103.42	103.50	103.60	103.72	103.72	104.27	104.83	105.36	105.48	105.48	105.48	105.49
15-44	103.23	103.17	103.10	103.05	102.96	102.90	102.86	103.07	103.39	103.79	104.14	104.38	104.55
45-64	100.34	100.46	100.60	100.70	100.86	101.13	100.86	100.03	99.13	98.37	97.98	98.13	98.35
65+	72.87	72.68	72.32	71.98	71.87	71.67	71.57	70.99	69.59	68.63	68.27	68.47	67.70
18+	97.53	97.44	97.35	97.25	97.16	97.06	96.61	96.15	95.72	95.36	94.96	94.46	93.77
						MEAN AND MEDIAN AGES							
Mean	32.86	33.04	33.21	33.37	33.53	33.70	34.54	35.32	36.10	36.91	37.71	38.45	39.14
Median	29.61	29.87	30.12	30.38	30.62	30.86	32.18	33.52	34.68	35.84	37.01	37.68	38.24

TABLE 3. PROJECTED POPULATION OF AUSTRALIA: GROUPED AGES, MASCULINITY RATIOS, MEAN AND MEDIAN AGES—SERIES B
(' 000)

Age group	*June 1981*	*June 1982*	*June 1983*	*June 1984*	*June 1985*	*June 1986*	*June 1991*	*June 1996*	*June 2001*	*June 2006*	*June 2011*	*June 2016*	*June 2021*
						PERSONS							
0- 4	1,138.5	1,151.1	1,172.1	1,201.8	1,241.2	1,279.1	1,415.9	1,455.7	1,463.4	1,455.5	1,497.5	1,586.3	1,660.5
5- 9	1,270.9	1,231.3	1,204.6	1,186.2	1,175.5	1,180.1	1,320.7	1,457.3	1,497.1	1,504.9	1,497.1	1,539.1	1,627.8
10-14	1,316.6	1,351.1	1,367.1	1,361.1	1,345.9	1,304.4	1,213.7	1,354.1	1,490.6	1,530.3	1,538.1	1,530.3	1,572.3
15-19	1,298.5	1,286.8	1,279.2	1,289.1	1,306.4	1,345.6	1,333.2	1,242.8	1,382.9	1,519.1	1,558.7	1,566.5	1,558.8
20-24	1,303.4	1,327.8	1,344.8	1,353.8	1,349.5	1,336.4	1,383.2	1,370.9	1,281.0	1,420.4	1,555.7	1,595.2	1,603.0
25-29	1,231.7	1,248.7	1,267.7	1,292.5	1,320.9	1,349.5	1,382.4	1,429.0	1,416.8	1,327.3	1,466.0	1,600.7	1,640.0
30-34	1,225.4	1,218.4	1,230.5	1,243.5	1,257.8	1,269.0	1,386.5	1,419.4	1,465.9	1,453.9	1,364.9	1,503.2	1,637.6
35-39	989.6	1,066.7	1,130.0	1,173.3	1,207.7	1,248.0	1,291.9	1,409.1	1,442.1	1,488.8	1,477.1	1,388.9	1,526.9
40-44	834.3	864.0	887.3	919.6	964.9	999.0	1,255.9	1,299.9	1,416.8	1,450.0	1,496.9	1,485.6	1,398.5
45-49	734.8	743.6	759.8	786.0	806.8	834.0	997.3	1,251.2	1,295.1	1,411.2	1,444.3	1,491.4	1,480.6
50-54	773.2	763.7	749.8	736.0	731.3	725.7	823.8	983.9	1,232.6	1,276.2	1,390.3	1,423.1	1,469.9
55-59	740.6	743.2	748.5	753.1	747.8	752.0	707.4	802.5	957.7	1,198.3	1,241.0	1,352.0	1,383.9
60-64	613.9	635.7	661.0	685.3	703.2	706.0	718.8	677.2	768.2	916.3	1,145.2	1,186.9	1,293.6
65-69	535.8	541.7	542.3	538.9	545.3	568.2	654.5	667.0	629.8	715.0	853.0	1,065.4	1,105.8
70-74	401.2	416.6	430.7	447.2	462.7	470.4	502.9	578.6	590.6	559.4	636.2	760.2	949.6
75-79	261.1	272.6	285.7	299.3	310.1	324.9	384.4	413.3	475.5	486.8	463.2	529.1	634.7
80-84	154.6	159.8	165.4	171.8	177.9	184.9	234.1	278.2	302.4	348.7	359.4	345.0	397.7
85 and over	102.5	106.3	110.0	114.0	121.4	129.7	162.5	207.7	256.8	297.7	348.1	383.0	396.0
All ages	14,926.8	15,129.0	15,336.6	15,552.5	15,776.5	16,006.9	17,169.0	18,297.8	19,365.4	20,359.6	21,332.9	22,331.9	23,337.1
						NUMBER (' 000)							
0-14	3,726.1	3,733.6	3,743.8	3,749.1	3,762.6	3,763.6	3,950.3	4,267.0	4,451.1	4,490.7	4,532.7	4,655.7	4,860.7
15-24	2,601.9	2,614.5	2,624.0	2,642.9	2,655.9	2,682.0	2,716.4	2,613.7	2,664.0	2,939.4	3,114.5	3,161.7	3,161.7
15-44	6,882.9	7,012.4	7,139.4	7,271.8	7,407.3	7,547.5	8,033.1	8,171.1	8,405.5	8,659.4	8,919.4	9,140.1	9,364.7
45-64	2,862.6	2,886.1	2,919.2	2,960.4	2,989.1	3,017.7	3,247.2	3,714.8	4,253.7	4,802.0	5,220.9	5,453.4	5,627.9
65+	1,455.2	1,496.9	1,534.2	1,571.2	1,617.5	1,678.0	1,938.4	2,144.9	2,255.1	2,407.6	2,659.9	3,082.6	3,483.8
18+	10,435.5	10,638.1	10,833.2	11,025.4	11,217.2	11,411.7	12,449.7	13,286.2	14,063.1	14,953.5	15,865.9	16,740.7	17,543.6
						PERCENTAGE AGE DISTRIBUTION							
0-14	24.96	24.68	24.41	24.11	23.85	23.51	23.01	23.32	22.98	22.06	21.25	20.85	20.83
15-24	17.43	17.28	17.11	16.99	16.83	16.76	15.82	14.28	13.76	14.44	14.60	14.16	13.55
15-44	46.11	46.35	46.55	46.76	46.95	47.15	46.79	44.66	43.40	42.53	41.81	40.93	40.13
45-64	19.18	19.08	19.03	19.03	18.95	18.85	18.91	20.30	21.97	23.59	24.47	24.42	24.12
65+	9.75	9.89	10.00	10.10	10.25	10.48	11.29	11.72	11.65	11.83	12.47	13.80	14.93
18+	69.91	70.32	70.64	70.89	71.10	71.29	72.51	72.61	72.62	73.45	74.37	74.96	75.17
						MASCULINITY RATIOS							
0-14	104.76	104.82	104.94	105.06	105.15	105.28	105.63	105.71	105.70	105.70	105.71	105.70	105.69
15-24	103.21	103.42	103.50	103.60	103.72	103.72	104.27	104.83	105.35	105.45	105.42	105.42	105.42
15-44	103.23	103.17	103.10	103.05	102.96	102.90	102.86	103.07	103.40	103.81	104.16	104.38	104.53
45-64	100.34	100.46	100.60	100.70	100.86	101.13	100.86	100.03	99.13	98.37	97.98	98.13	98.35
65+	72.87	72.68	72.32	71.98	71.87	71.67	71.57	70.99	69.59	68.63	68.27	68.47	67.70
18+	97.53	97.44	97.35	97.25	97.16	97.06	96.61	96.15	95.72	95.40	95.08	94.66	94.06
						MEAN AND MEDIAN AGES							
Mean	32.86	33.04	33.21	33.37	33.51	33.65	34.24	34.82	35.44	36.13	36.78	37.34	37.84
Median	29.61	29.87	30.12	30.37	30.60	30.81	31.88	32.99	33.88	34.89	35.67	35.87	36.17

TABLE 3. PROJECTED POPULATION OF AUSTRALIA: GROUPED AGES, MASCULINITY RATIOS, MEAN AND MEDIAN AGES—SERIES C
('000)

Age group	*June 1981*	*June 1982*	*June 1983*	*June 1984*	*June 1985*	*June 1986*	*June 1991*	*June 1996*	*June 2001*	*June 2006*	*June 2011*	*June 2016*	*June 2021*
						PERSONS							
0- 4	1,138.5	1,157.5	1,184.1	1,218.3	1,256.6	1,284.3	1,338.4	1,392.6	1,419.9	1,429.3	1,469.9	1,531.6	1,583.6
5- 9	1,270.9	1,236.5	1,215.3	1,202.6	1,198.0	1,208.9	1,354.6	1,408.7	1,462.8	1,490.1	1,499.6	1,540.2	1,601.9
10-14	1,316.6	1,355.4	1,375.7	1,374.2	1,363.7	1,327.2	1,265.2	1,410.8	1,464.8	1,518.9	1,546.2	1,555.8	1,596.4
15-19	1,298.5	1,291.1	1,287.6	1,301.6	1,322.9	1,366.1	1,376.5	1,314.8	1,460.0	1,513.9	1,567.9	1,595.1	1,604.7
20-24	1,303.4	1,334.3	1,357.4	1,372.1	1,372.8	1,364.3	1,431.6	1,441.9	1,380.5	1,524.9	1,578.5	1,632.2	1,659.3
25-29	1,231.7	1,255.3	1,281.0	1,312.7	1,348.0	1,383.4	1,444.1	1,511.0	1,521.3	1,460.2	1,603.9	1,657.3	1,710.8
30-34	1,225.4	1,223.7	1,241.4	1,260.2	1,280.7	1,298.2	1,449.4	1,510.0	1,576.7	1,587.1	1,526.4	1,669.7	1,723.1
35-39	989.6	1,070.0	1,137.0	1,184.4	1,223.4	1,268.6	1,341.4	1,492.2	1,552.9	1,619.7	1,630.4	1,570.3	1,713.5
40-44	834.3	866.1	891.6	926.4	974.4	1,011.5	1,288.8	1,361.6	1,511.9	1,572.5	1,639.5	1,650.6	1,591.4
45-49	734.8	744.9	762.6	790.4	813.0	842.0	1,017.7	1,291.7	1,364.2	1,513.2	1,573.5	1,640.4	1,651.7
50-54	773.2	764.7	752.0	739.3	735.7	731.4	837.3	1,009.6	1,278.0	1,349.5	1,496.0	1,555.4	1,621.7
55-59	740.6	744.2	750.5	756.0	751.8	756.9	717.9	820.6	987.5	1,247.2	1,316.9	1,459.2	1,516.9
60-64	613.9	636.7	663.0	688.3	707.1	710.9	728.3	692.0	790.1	949.4	1,196.5	1,263.9	1,400.4
65-69	535.8	542.7	544.4	542.0	549.4	573.3	664.0	680.9	648.6	740.4	888.7	1,117.9	1,182.2
70-74	401.2	417.2	432.0	449.3	465.6	474.1	511.1	590.9	606.7	579.8	662.5	795.7	1,000.0
75-79	261.1	272.9	286.5	300.4	311.6	326.9	389.4	422.1	487.6	502.1	482.2	553.1	666.4
80-84	154.6	159.9	165.7	172.3	178.6	185.8	236.5	282.8	309.8	358.7	371.9	360.3	416.8
85 and over	102.5	106.4	110.2	114.2	121.7	130.0	163.6	210.0	261.0	304.5	357.9	396.0	412.5
All ages	14,926.8	15,179.5	15,438.0	15,704.6	15,974.9	16,243.8	17,555.8	18,843.9	20,084.1	21,261.4	22,408.5	23,544.7	24,653.4
						NUMBER ('000)							
0-14	3,726.1	3,749.4	3,775.1	3,795.2	3,818.3	3,820.3	3,958.2	4,212.0	4,347.5	4,438.4	4,515.8	4,627.6	4,781.8
15-24	2,601.9	2,625.4	2,645.1	2,673.6	2,695.7	2,730.4	2,808.1	2,756.7	2,840.5	3,038.8	3,146.4	3,227.4	3,264.0
15-44	6,882.9	7,040.5	7,196.1	7,357.3	7,522.2	7,692.1	8,331.8	8,631.5	9,003.2	9,278.3	9,546.7	9,775.3	10,002.7
45-64	2,862.6	2,890.5	2,928.1	2,974.0	3,007.6	3,041.2	3,301.1	3,813.8	4,419.8	5,059.2	5,582.8	5,918.9	6,190.8
65+	1,455.2	1,499.1	1,538.7	1,578.1	1,627.0	1,690.1	1,964.7	2,186.6	2,313.6	2,485.5	2,763.2	3,222.9	3,678.0
18+	10,435.5	10,670.4	10,898.5	11,124.3	11,350.3	11,579.7	12,802.3	13,843.0	14,847.9	15,913.5	16,953.4	17,964.6	18,912.1
						PERCENTAGE AGE DISTRIBUTION							
0-14	24.96	24.70	24.45	24.17	23.90	23.52	22.55	22.35	21.65	20.88	20.15	19.65	19.40
15-24	17.43	17.30	17.13	17.02	16.87	16.81	16.00	14.63	14.14	14.29	14.04	13.71	13.24
15-44	46.11	46.38	46.61	46.85	47.09	47.35	47.46	45.81	44.83	43.64	42.60	41.52	40.57
45-64	19.18	19.04	18.97	18.94	18.83	18.72	18.80	20.24	22.01	23.80	24.91	25.14	25.11
65+	9.75	9.88	9.97	10.05	10.18	10.40	11.19	11.60	11.52	11.69	12.33	13.69	14.92
18+	69.91	70.29	70.60	70.83	71.05	71.29	72.92	73.46	73.93	74.85	75.66	76.30	76.71
						MASCULINITY RATIOS							
0-14	104.76	104.86	105.01	105.16	105.28	105.43	105.86	105.96	105.95	105.94	105.94	105.92	105.91
15-24	103.21	103.40	103.47	103.56	103.68	103.69	104.35	105.05	105.65	105.77	105.75	105.74	105.73
15-44	103.23	103.17	103.10	103.05	102.96	102.91	102.88	103.10	103.43	103.85	104.23	104.50	104.67
45-64	100.34	100.42	100.51	100.59	100.73	100.98	100.72	100.01	99.23	98.51	98.10	98.19	98.37
65+	72.87	72.68	72.32	71.98	71.85	71.63	71.40	70.70	69.20	68.22	67.93	68.26	67.66
18+	97.53	97.44	97.34	97.24	97.16	97.06	96.63	96.21	95.86	95.57	95.25	94.83	94.23
						MEAN AND MEDIAN AGES							
Mean	32.86	33.02	33.16	33.30	33.43	33.58	34.31	35.00	35.70	36.45	37.18	37.87	38.52
Median	29.61	29.84	30.06	30.29	30.50	30.71	31.91	33.15	34.20	35.30	36.31	36.87	37.44

TABLE 3. PROJECTED POPULATION OF AUSTRALIA: GROUPED AGES, MASCULINITY RATIOS, MEAN AND MEDIAN AGES—SERIES D ('000)

Age group	*June 1981*	*June 1982*	*June 1983*	*June 1984*	*June 1985*	*June 1986*	*June 1991*	*June 1996*	*June 2001*	*June 2006*	*June 2011*	*June 2016*	*June 2021*
						PERSONS							
0- 4	1,138.5	1,157.5	1,184.8	1,220.8	1,266.5	1,310.6	1,477.7	1,543.4	1,575.3	1,593.3	1,664.0	1,782.4	1,884.8
5- 9	1,270.9	1,236.5	1,215.3	1,202.6	1,198.0	1,208.9	1,380.8	1,547.7	1,613.4	1,645.3	1,663.3	1,734.0	1,852.3
10-14	1,316.6	1,355.4	1,375.7	1,374.2	1,363.7	1,327.2	1,265.2	1,437.0	1,603.7	1,669.4	1,701.2	1,719.3	1,789.9
15-19	1,298.5	1,291.1	1,287.6	1,301.6	1,322.9	1,366.1	1,376.5	1,314.8	1,486.1	1,652.4	1,717.9	1,749.7	1,767.8
20-24	1,303.4	1,334.3	1,357.4	1,372.1	1,372.8	1,364.3	1,431.6	1,441.9	1,380.5	1,550.9	1,716.3	1,781.5	1,813.1
25-29	1,231.7	1,255.3	1,281.0	1,312.7	1,348.0	1,383.4	1,444.1	1,511.0	1,521.3	1,460.2	1,629.8	1,794.4	1,859.3
30-34	1,225.4	1,223.7	1,241.4	1,260.2	1,280.7	1,298.2	1,449.4	1,510.0	1,576.7	1,587.1	1,526.4	1,695.5	1,859.7
35-39	989.6	1,070.0	1,137.0	1,184.4	1,223.4	1,268.6	1,341.4	1,492.2	1,552.9	1,619.7	1,630.4	1,570.3	1,739.1
40-44	834.3	866.1	891.6	926.4	974.4	1,011.5	1,288.8	1,361.6	1,511.9	1,572.5	1,639.5	1,650.6	1,591.4
45-49	734.8	744.9	762.6	790.4	813.0	842.0	1,017.7	1,291.7	1,364.2	1,513.2	1,573.5	1,640.4	1,651.7
50-54	773.2	764.7	752.0	739.3	735.7	731.4	837.3	1,009.6	1,278.0	1,349.5	1,496.0	1,555.4	1,621.7
55-59	740.6	744.2	750.5	756.0	751.8	756.9	717.9	820.6	987.5	1,247.2	1,316.9	1,459.2	1,516.9
60-64	613.9	636.7	663.0	688.3	707.1	710.9	728.3	692.0	790.1	949.4	1,196.5	1,263.9	1,400.4
65-69	535.8	542.7	544.4	542.0	549.4	573.3	664.0	680.9	648.6	740.4	888.7	1,117.9	1,182.2
70-74	401.2	417.2	432.0	449.3	465.6	474.1	511.1	590.9	606.7	579.8	662.5	795.7	1,000.0
75-79	261.1	272.9	286.5	300.4	311.6	326.9	389.4	422.1	487.6	502.1	482.2	553.1	666.4
80-84	154.6	160.0	165.7	172.3	178.6	185.8	236.5	282.8	309.8	358.7	371.9	360.3	416.8
85 and over	102.5	106.4	110.2	114.2	121.7	130.0	163.6	210.0	261.0	304.5	357.9	396.0	412.5
All ages	14,926.8	15,179.6	15,438.7	15,707.1	15,984.8	16,270.1	17,721.3	19,160.0	20,555.1	21,895.5	23,235.0	24,619.5	26,026.1
						NUMBER ('000)							
0-14	3,726.1	3,749.4	3,775.8	3,797.7	3,828.2	3,846.6	4,123.7	4,528.1	4,792.4	4,907.9	5,028.6	5,235.7	5,527.0
15-24	2,601.9	2,625.4	2,645.1	2,673.6	2,695.7	2,730.4	2,808.1	2,756.7	2,866.6	3,203.4	3,434.3	3,531.2	3,580.8
15-44	6,882.9	7,040.5	7,196.1	7,357.3	7,522.2	7,692.1	8,331.8	8,631.5	9,029.4	9,442.9	9,860.4	10,242.0	10,630.3
45-64	2,862.6	2,890.5	2,928.1	2,974.0	3,007.6	3,041.2	3,301.1	3,813.8	4,419.8	5,059.2	5,582.8	5,918.9	6,190.8
65+	1,455.2	1,499.1	1,538.7	1,578.1	1,627.0	1,690.1	1,964.7	2,186.6	2,313.6	2,485.5	2,763.2	3,222.9	3,678.0
18+	10,435.5	10,670.4	10,898.5	11,124.3	11,350.3	11,579.7	12,802.3	13,843.0	14,848.6	15,991.5	17,176.3	18,338.1	19,440.1
						PERCENTAGE AGE DISTRIBUTION							
0-14	24.96	24.70	24.46	24.18	23.95	23.64	23.27	23.63	23.31	22.42	21.64	21.27	21.24
15-24	17.43	17.30	17.13	17.02	16.86	16.78	15.85	14.39	13.95	14.63	14.78	14.34	13.76
15-44	46.11	46.38	46.61	46.84	47.06	47.28	47.02	45.05	43.93	43.13	42.44	41.60	40.84
45-64	19.18	19.04	18.97	18.93	18.82	18.69	18.63	19.91	21.50	23.11	24.03	24.04	23.79
65+	9.75	9.88	9.97	10.05	10.18	10.39	11.09	11.41	11.26	11.35	11.89	13.09	14.13
18+	69.91	70.29	70.59	70.82	71.01	71.17	72.24	72.25	72.24	73.04	73.92	74.49	74.69
						MASCULINITY RATIOS							
0-14	104.76	104.86	105.01	105.16	105.28	105.43	105.84	105.91	105.89	105.88	105.87	105.86	105.83
15-24	103.21	103.40	103.47	103.56	103.68	103.69	104.35	105.05	105.65	105.73	105.67	105.65	105.65
15-44	103.23	103.17	103.10	103.05	102.96	102.91	102.88	103.10	103.43	103.87	104.25	104.50	104.65
45-64	100.34	100.42	100.51	100.59	100.73	100.98	100.72	100.01	99.23	98.51	98.10	98.19	98.37
65+	72.87	72.68	72.32	71.98	71.85	71.63	71.40	70.70	69.20	68.22	67.93	68.26	67.66
18+	97.53	97.44	97.34	97.24	97.16	97.06	96.63	96.21	95.86	95.61	95.37	95.02	94.49
						MEAN AND MEDIAN AGES							
Mean	32.86	33.02	33.16	33.29	33.41	33.53	34.01	34.51	35.06	35.69	36.29	36.82	37.29
Median	29.61	29.84	30.06	30.28	30.48	30.66	31.63	32.64	33.44	34.35	34.99	35.18	35.52

TABLE 4. PROJECTED BIRTHS, DEATHS AND NATURAL INCREASE(a), AUSTRALIA
('000)

Year ending June	SERIES A			SERIES B			SERIES C			SERIES D		
	Births	Deaths	Natural increase (a)	Births	Deaths	Natural increase (a)	Births	Deaths	Natural increase (a)	Births	Deaths	Natural increase (a)
1982	237.6	110.4	127.2	237.7	110.4	127.3	238.2	110.5	127.7	238.3	110.5	127.8
1983	243.3	111.3	132.0	243.9	111.3	132.6	245.0	111.6	133.5	245.7	111.6	134.1
1984	251.4	112.2	139.2	253.2	112.2	140.9	254.3	112.7	141.7	256.1	112.7	143.5
1985	254.8	113.1	141.8	262.2	113.1	149.0	259.0	113.7	145.3	266.4	113.7	152.7
1986	253.3	113.9	139.4	269.5	114.0	155.5	258.5	114.7	143.8	275.0	114.8	160.2
1987	251.3	116.9	134.4	275.1	117.1	158.0	257.5	117.8	139.7	281.9	118.0	163.9
1988	251.1	119.9	131.2	278.7	120.1	158.6	258.3	121.0	137.3	286.7	121.2	165.5
1989	253.1	122.9	130.2	281.0	123.1	157.9	261.3	124.2	137.1	290.1	124.5	165.7
1990	254.9	125.8	129.1	283.0	126.1	157.0	264.1	127.4	136.7	293.3	127.6	165.7
1991	256.5	128.7	127.8	284.9	129.0	155.9	266.7	130.5	136.2	296.3	130.8	165.5
1992	258.0	131.6	126.4	286.6	131.9	154.7	269.1	133.6	135.5	299.0	133.9	165.1
1993	259.0	134.5	124.5	287.8	134.7	153.0	271.0	136.7	134.3	301.2	137.0	164.2
1994	259.6	137.3	122.3	288.5	137.6	151.0	272.5	139.7	132.7	302.9	140.0	162.9
1995	260.1	140.1	120.0	289.1	140.3	148.8	273.8	142.7	131.1	304.5	143.0	161.5
1996	260.6	142.8	117.7	289.7	143.1	146.6	275.2	145.8	129.4	306.0	146.1	159.9
1997	261.0	145.5	115.5	290.3	145.8	144.4	276.5	148.7	127.7	307.5	149.0	158.5
1998	261.1	148.2	112.9	290.4	148.5	141.9	277.4	151.7	125.8	308.6	152.0	156.6
1999	260.7	150.9	109.8	290.0	151.2	138.9	277.9	154.6	123.3	309.2	154.9	154.3
2000	260.0	153.5	106.5	289.4	153.8	135.6	278.2	157.5	120.7	309.6	157.8	151.7
2001	259.1	156.1	103.0	288.5	156.4	132.1	278.1	160.4	117.7	309.7	160.7	149.0
2002	258.0	158.7	99.3	287.6	159.0	128.7	277.9	163.2	114.7	309.9	163.6	146.3
2003	257.3	161.2	96.1	287.3	161.5	125.7	278.2	166.1	112.1	310.6	166.5	144.1
2004	257.1	163.7	93.4	287.4	164.0	123.4	279.0	168.9	110.1	311.8	169.3	142.5
2005	257.2	166.2	91.1	288.1	166.5	121.5	280.1	171.7	108.4	313.6	172.1	141.5
2006	257.6	168.6	89.0	289.2	169.0	120.1	281.5	174.5	107.0	315.8	174.9	140.9
2007	258.0	171.1	86.9	290.6	171.5	119.1	282.9	177.3	105.6	318.4	177.8	140.7
2008	258.8	173.5	85.3	292.8	174.0	118.8	284.7	180.1	104.6	321.8	180.6	141.2
2009	260.0	175.9	84.1	295.7	176.5	119.2	287.0	182.9	104.1	325.8	183.4	142.4
2010	261.7	178.4	83.3	299.1	179.0	120.1	289.6	185.7	103.9	330.4	186.3	144.1
2011	263.4	180.8	82.6	302.7	181.4	121.3	292.3	188.5	103.8	335.3	189.2	146.1
2012	264.9	183.3	81.6	306.4	183.9	122.5	294.8	191.4	103.4	340.1	192.1	148.0
2013	266.3	185.8	80.6	310.2	186.4	123.8	297.3	194.3	103.0	345.1	195.0	150.1
2014	267.7	188.2	79.5	314.0	188.9	125.1	299.6	197.2	102.4	350.1	198.0	152.1
2015	269.0	190.8	78.2	317.6	191.5	126.1	301.8	200.3	101.6	354.9	201.0	153.9
2016	270.3	193.4	76.9	320.9	194.1	126.8	304.0	203.3	100.8	359.3	204.1	155.3
2017	271.4	196.0	75.4	323.8	196.8	127.0	306.1	206.4	99.7	363.4	207.3	156.1
2018	272.6	198.7	73.9	326.5	199.5	127.0	308.1	209.6	98.5	367.2	210.5	156.7
2019	273.5	201.5	72.0	328.9	202.3	126.5	309.9	212.9	97.0	370.6	213.8	156.8
2020	274.3	204.4	69.9	330.9	205.2	125.7	311.6	216.3	95.2	373.7	217.3	156.4
2021	274.9	207.4	67.5	332.5	208.3	124.3	313.0	219.9	93.1	376.4	220.8	155.6

(a) Excess of births over deaths

TABLE 5. PROJECTED CRUDE BIRTH RATES, CRUDE DEATH RATES AND RATES OF NATURAL INCREASE(a), AUSTRALIA
(per thousand of mean population)

	SERIES A			*SERIES B*			*SERIES C*			*SERIES D*		
Year ending June	*Births*	*Deaths*	*Natural increase (a)*	*Births*	*Deaths*	*Natural increase (a)*	*Births*	*Deaths*	*Natural increase (a)*	*Births*	*Deaths*	*Natural increase (a)*
1982	15.8	7.3	8.5	15.8	7.4	8.5	15.8	7.3	8.5	15.8	7.3	8.5
1983	16.0	7.3	8.7	16.0	7.3	8.7	16.0	7.3	8.7	16.1	7.3	8.8
1984	16.3	7.3	9.0	16.4	7.3	9.1	16.3	7.2	9.1	16.5	7.2	9.2
1985	16.3	7.2	9.1	16.7	7.2	9.5	16.4	7.2	9.2	16.8	7.2	9.6
1986	16.0	7.2	8.8	17.0	7.2	9.8	16.1	7.1	8.9	17.1	7.1	9.9
1987	15.6	7.3	8.4	17.1	7.3	9.8	15.7	7.2	8.5	17.2	7.2	10.0
1988	15.4	7.4	8.1	17.0	7.3	9.7	15.5	7.3	8.3	17.2	7.3	9.9
1989	15.3	7.5	7.9	16.9	7.4	9.5	15.5	7.4	8.1	17.1	7.3	9.8
1990	15.3	7.5	7.7	16.8	7.5	9.3	15.4	7.4	8.0	17.0	7.4	9.6
1991	15.2	7.6	7.6	16.7	7.6	9.1	15.3	7.5	7.8	16.9	7.4	9.4
1992	15.1	7.7	7.4	16.6	7.6	9.0	15.2	7.6	7.7	16.7	7.5	9.2
1993	15.0	7.8	7.2	16.4	7.7	8.7	15.1	7.6	7.5	16.6	7.5	9.0
1994	14.8	7.8	7.0	16.3	7.8	8.5	15.0	7.7	7.3	16.4	7.6	8.8
1995	14.7	7.9	6.8	16.1	7.8	8.3	14.8	7.7	7.1	16.3	7.6	8.6
1996	14.6	8.0	6.6	15.9	7.9	8.1	14.7	7.8	6.9	16.1	7.7	8.4
1997	14.4	8.1	6.4	15.8	7.9	7.9	14.6	7.8	6.7	15.9	7.7	8.2
1998	14.3	8.1	6.2	15.6	8.0	7.6	14.4	7.9	6.5	15.8	7.8	8.0
1999	14.1	8.2	6.0	15.4	8.0	7.4	14.3	7.9	6.3	15.6	7.8	7.8
2000	13.9	8.2	5.7	15.2	8.1	7.1	14.1	8.0	6.1	15.4	7.8	7.5
2001	13.8	8.3	5.5	15.0	8.1	6.9	13.9	8.0	5.9	15.2	7.9	7.3
2002	13.6	8.4	5.2	14.8	8.2	6.6	13.8	8.1	5.7	15.0	7.9	7.1
2003	13.4	8.4	5.0	14.6	8.2	6.4	13.6	8.1	5.5	14.8	7.9	6.9
2004	13.3	8.5	4.8	14.5	8.3	6.2	13.5	8.2	5.3	14.7	8.0	6.7
2005	13.2	8.5	4.7	14.4	8.3	6.1	13.4	8.2	5.2	14.6	8.0	6.6
2006	13.1	8.6	4.5	14.3	8.3	5.9	13.3	8.3	5.1	14.5	8.0	6.5
2007	13.0	8.6	4.4	14.2	8.4	5.8	13.2	8.3	4.9	14.5	8.1	6.4
2008	12.9	8.7	4.3	14.2	8.4	5.8	13.2	8.3	4.8	14.4	8.1	6.3
2009	12.9	8.7	4.2	14.2	8.5	5.7	13.1	8.4	4.8	14.4	8.1	6.3
2010	12.9	8.8	4.1	14.2	8.5	5.7	13.1	8.4	4.7	14.5	8.2	6.3
2011	12.9	8.8	4.0	14.3	8.5	5.7	13.1	8.5	4.7	14.5	8.2	6.3
2012	12.8	8.9	4.0	14.3	8.6	5.7	13.1	8.5	4.6	14.6	8.2	6.3
2013	12.8	8.9	3.9	14.3	8.6	5.7	13.1	8.5	4.5	14.6	8.3	6.4
2014	12.8	9.0	3.8	14.4	8.7	5.7	13.0	8.6	4.5	14.6	8.3	6.4
2015	12.8	9.0	3.7	14.4	8.7	5.7	13.0	8.6	4.4	14.7	8.3	6.4
2016	12.7	9.1	3.6	14.4	8.7	5.7	13.0	8.7	4.3	14.7	8.3	6.3
2017	12.7	9.2	3.5	14.4	8.8	5.7	12.9	8.7	4.2	14.7	8.4	6.3
2018	12.7	9.2	3.4	14.4	8.8	5.6	12.9	8.8	4.1	14.7	8.4	6.3
2019	12.6	9.3	3.3	14.4	8.9	5.5	12.9	8.8	4.0	14.6	8.4	6.2
2020	12.6	9.4	3.2	14.4	8.9	5.5	12.8	8.9	3.9	14.6	8.5	6.1
2021	12.5	9.4	3.1	14.3	9.0	5.4	12.8	9.0	3.8	14.5	8.5	6.0

(a) Excess of birth rate over death rate.

TABLE 6. TOTAL INCREASE (' 000) AND RATES OF GROWTH (per cent), PROJECTED POPULATION OF AUSTRALIA

	SERIES A		*SERIES B*		*SERIES C*		*SERIES D*	
Year ending June	*Total increase*	*Rate of growth*	*Total increase*	*Rate of growth*	*Total increase*	*Rate of growth*	*Total increase*	*Rate of growth*
1982	202.2	1.4	202.2	1.4	252.7	1.7	252.8	1.7
1983	206.9	1.4	207.6	1.4	258.5	1.7	259.1	1.7
1984	214.1	1.4	215.9	1.4	266.7	1.7	268.5	1.7
1985	216.7	1.4	224.0	1.4	270.3	1.7	277.7	1.8
1986	214.4	1.4	230.4	1.5	268.9	1.7	285.2	1.8
1987	209.4	1.3	233.0	1.5	264.7	1.6	288.9	1.8
1988	206.2	1.3	233.5	1.4	262.3	1.6	290.5	1.8
1989	205.2	1.3	232.8	1.4	262.1	1.6	290.7	1.7
1990	204.0	1.2	231.9	1.4	261.8	1.5	290.7	1.7
1991	202.7	1.2	230.9	1.4	261.2	1.5	290.5	1.7
1992	201.3	1.2	229.7	1.3	260.5	1.5	290.1	1.6
1993	199.4	1.2	228.0	1.3	259.3	1.5	289.2	1.6
1994	197.3	1.1	225.9	1.3	257.8	1.4	287.9	1.6
1995	195.0	1.1	223.8	1.3	256.1	1.4	286.5	1.5
1996	192.7	1.1	221.5	1.2	254.4	1.4	285.0	1.5
1997	190.4	1.1	219.4	1.2	252.8	1.3	283.5	1.5
1998	187.8	1.0	216.8	1.2	250.8	1.3	281.6	1.4
1999	184.8	1.0	213.8	1.1	248.3	1.3	279.3	1.4
2000	181.5	1.0	210.5	1.1	245.7	1.3	276.8	1.4
2001	177.9	0.9	207.0	1.1	242.7	1.2	274.0	1.4
2002	174.2	0.9	203.6	1.1	239.7	1.2	271.3	1.3
2003	171.0	0.9	200.7	1.0	237.1	1.2	269.1	1.3
2004	168.3	0.9	198.3	1.0	235.1	1.1	267.6	1.3
2005	166.0	0.9	196.5	1.0	233.4	1.1	266.5	1.2
2006	163.9	0.8	195.1	1.0	232.0	1.1	265.9	1.2
2007	161.9	0.8	194.1	1.0	230.6	1.1	265.7	1.2
2008	160.2	0.8	193.8	0.9	229.6	1.1	266.2	1.2
2009	159.1	0.8	194.2	0.9	229.1	1.1	267.4	1.2
2010	158.3	0.8	195.1	0.9	228.9	1.0	269.1	1.2
2011	157.5	0.8	196.3	0.9	228.8	1.0	271.1	1.2
2012	156.5	0.8	197.4	0.9	228.4	1.0	273.1	1.2
2013	155.5	0.8	198.7	0.9	228.0	1.0	275.1	1.2
2014	154.4	0.7	200.0	0.9	227.4	1.0	277.1	1.2
2015	153.2	0.7	201.0	0.9	226.6	1.0	278.9	1.2
2016	151.9	0.7	201.8	0.9	225.8	1.0	280.3	1.2
2017	150.4	0.7	202.0	0.9	224.7	1.0	281.1	1.1
2018	148.8	0.7	201.9	0.9	223.5	0.9	281.7	1.1
2019	147.0	0.7	201.5	0.9	222.0	0.9	281.8	1.1
2020	144.9	0.7	200.6	0.9	220.2	0.9	281.5	1.1
2021	142.5	0.6	199.2	0.9	218.1	0.9	280.6	1.1

APPENDIX

PROJECTED POPULATION, BIRTHS AND DEATHS OF AUSTRALIA: BY SEX, EXCLUSIVE OF MIGRATION AFTER 30 JUNE 1981
(' 000)

	Males			*Females*			*Persons*		
Year ending 30 June	*Population*	*Births*	*Deaths*	*Population*	*Births*	*Deaths*	*Population*	*Births*	*Deaths*
				SERIES A AND SERIES C					
1986	7,762.6	126.0	63.3	7,824.1	119.4	49.6	15,586.7	245.4	112.9
1991	8,041.8	123.6	70.7	8,143.6	117.2	55.7	16,185.3	240.8	126.4
1996	8,283.6	122.2	77.2	8,430.1	115.8	61.6	16,713.7	238.0	138.8
2001	8,480.0	118.0	83.0	8,674.1	111.8	67.2	17,154.2	229.8	150.2
2006	8,622.8	113.4	88.4	8,867.7	107.5	72.0	17,490.5	220.8	160.5
2011	8,727.0	112.4	93.7	9,027.3	106.5	76.3	17,754.3	218.9	170.0
2016	8,802.8	112.1	99.5	9,167.0	106.3	79.9	17,969.7	218.4	179.4
2021	8,843.4	111.0	106.3	9,286.3	105.2	83.3	18,129.7	216.2	189.6
				SERIES B AND SERIES D					
1986	7,775.4	134.0	63.4	7,836.2	127.0	49.6	15,611.7	261.0	113.0
1991	8,120.1	137.3	70.8	8,217.9	130.2	55.8	16,338.1	267.5	126.6
1996	8,429.5	135.8	77.4	8,568.7	128.8	61.8	16,998.2	264.6	139.1
2001	8,692.7	131.4	83.2	8,876.1	124.5	67.3	17,568.8	255.9	150.5
2006	8,902.9	127.4	88.7	9,133.9	120.8	72.2	18,036.8	248.2	160.8
2011	9,084.8	129.8	94.1	9,367.7	123.0	76.5	18,452.5	252.7	170.5
2016	9,260.4	134.5	100.0	9,603.1	127.5	80.1	18,863.5	261.9	180.0
2021	9,419.3	136.1	106.8	9,835.8	129.0	83.6	19,255.1	265.1	190.3

PROJECTED ANNUAL BIRTH, DEATH AND GROWTH RATES, BY SEX, EXCLUSIVE OF MIGRATION AFTER 30 JUNE 1981
(Per ' 000)

	Males			*Females*			*Persons*		
Year ending 30 June	*Birth*	*Death*	*Growth*	*Birth*	*Death*	*Growth*	*Birth*	*Death*	*Growth*
				SERIES A AND SERIES C					
1986	8.12	4.08	4.04	7.69	3.19	4.50	15.81	7.28	8.54
1991	7.67	4.38	3.28	7.27	3.45	3.81	14.93	7.84	7.10
1996	7.33	4.63	2.70	6.95	3.70	3.25	14.28	8.33	5.95
2001	6.89	4.85	2.04	6.53	3.92	2.61	13.42	8.78	4.65
2006	6.49	5.06	1.43	6.15	4.13	2.03	12.65	9.19	3.46
2011	6.34	5.28	1.05	6.01	4.30	1.70	12.35	9.59	2.76
2016	6.25	5.54	0.70	5.92	4.45	1.47	12.17	9.99	2.18
2021	6.13	5.86	0.26	5.81	4.60	1.21	11.94	10.46	1.47
				SERIES B AND SERIES D					
1986	8.62	4.08	4.54	8.18	3.19	4.98	16.80	7.28	9.52
1991	8.44	4.35	4.09	8.00	3.43	4.57	16.44	7.78	8.66
1996	8.02	4.57	3.45	7.60	3.65	3.96	15.62	8.21	7.41
2001	7.50	4.75	2.75	7.11	3.84	3.27	14.61	8.59	6.02
2006	7.08	4.93	2.15	6.71	4.01	2.70	13.79	8.94	4.86
2011	7.05	5.11	1.94	6.68	4.15	2.53	13.73	9.26	4.47
2016	7.14	5.31	1.83	6.77	4.26	2.52	13.92	9.57	4.35
2021	7.08	5.56	1.53	6.71	4.35	2.36	13.79	9.90	3.89