

**INQUIRIES**

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**NOON 18 JULY 1978**

**PROJECTIONS OF THE POPULATION OF AUSTRALIA, 1978 TO 2011****CONTENTS**

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## MAIN FEATURES

- According to projections made by the Australian Bureau of Statistics, the population of Australia, estimated to have been 14,074,100 at 30 June 1977, would increase to 17,375,400 by 2011, if there were no further net overseas migration gain after June 1978. The rate of natural increase would decline from about 0.7 per cent per annum to about 0.4 per cent at the end of the projection period.
- If future net immigration is assumed to be 50,000 persons a year, this would add 2,205,300 to the population by 2011, and the population in that year would be 19,580,700. It would add about 0.3 per cent to the rate of growth throughout the period. These migration figures are included for illustrative purposes.
- Assuming this level of net immigration, births would increase from 220,000 in the first year to about 270,000 in the late 1980s, and fluctuate between 270,000 and 280,000 for the rest of the century. The number of deaths would increase with the increasing size and age of the population from about 119,000 in 1979 to 196,000 in 2011. Natural increase would begin at around 101,000 a year, rising in the mid 1980s to over 130,000, then gradually declining to about 94,000 by the year 2011.
- Using the same assumptions the proportion of persons aged 65 and over would increase from 9.2 per cent in 1978 to 11.0 per cent in 2011, the proportion aged 15-64 would increase from 64.6 per cent to 67.2 per cent, and the proportion of children (under 15) would decline from 26.2 per cent in 1978 to 21.8 per cent in 2011. The median age would increase from 28.9 years to about 35 years by the year 2011.
- The overall masculinity of the population would decline from 100.4 males per hundred females to about 98.

## EXPLANATORY NOTES

### General

1. This publication contains summary results of projections of the population of Australia for the period 1978 to 2011, by age and sex, based on provisional estimates of the population at 30 June 1978 and of the population resulting from future net immigration set, for illustrative purposes, at 50,000 a year. Details for single years of age and for each year including additional years from 2012 to 2021 are available from the ABS on request. These projections replace the set published in November 1976, *Projections of the Population of Australia 1977 to 2001. Base Year 1976 (Preliminary Estimates)* (3204.0). It is intended to publish projections for each of the States and Territories of Australia towards the end of 1978.

### Methodology

2. The projections are made using the 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 the characteristics of overseas migration.

3. Because of uncertainty as to future levels of immigration, the projections are presented in such a form that the user may, within limits, make his own assumptions as to future annual net immigration and derive a projection accordingly. The tables feature the projected population resulting from an annual net immigration of 50,000 persons. This level was chosen for convenience and should not be taken to imply that it is deemed to be the most likely over the whole or any part of the projection period.

### Base population and assumptions

4. *Base population.* The projections take as their starting point provisional estimates of the population by sex and single years of age at 30 June 1978. These provisional estimates are based on the results of the 1976 census adjusted for under-enumeration and mis-statement of ages, and subsequent births, deaths and net immigration. Net immigration relates to permanent and long-term movements and excludes short-term movements of less than one year. These estimates are provisional because, when the projections were prepared, only limited information about births, deaths and net immigration was available for the first six months of 1978. Estimates of births, deaths and net immigration for these six months were imputed from past trends.

5. *Fertility.* Total fertility declined from 3,547 per thousand women in 1961 to an estimated 2,035 in 1977. Most of this fall is attributable to fewer women having large families, but an important element in the decline in recent years has been rising age at marriage and an increased interval between marriage and the birth of the first child. Age specific fertility rates are shown in Table 12 and fertility by birth order in Table 13.

6. A recent survey into the fertility experience of ever-married women under 40 years of age, showed that of those currently married there was a predominant expectation of two children. (*Birth Expectations of Married Women, November 1976* published on 9 December 1977). Of those married less than five years 6 per cent expected to have no children, 8 per cent one child, 52 per cent two children, 24 per cent three children, and 10 per cent four or more children. The average expected family size was 2.3 children.

7. For the current series of projections the following assumptions were made:

- the first-birth rate, which fell from a peak of 954 in 1971 to 690 in 1976 is assumed to drop to 650 in 1978 and then to recover to 850 in 1982 and thereafter to remain constant;

- second-birth fertility rates are related to the average first birth fertility rates of the preceding three years (to reflect the approximate interval between successive births). These were an estimated 87 per cent in 1976 and are assumed to be 86 per cent in 1978 and 85 per cent in subsequent years;
- third-birth fertility rates are assumed to decline relative to second birth fertility rates, and the same with higher order births; from 1984 rates for all birth orders are assumed to remain constant;
- ex-nuptial fertility is assumed to remain at a constant 10 per cent of total fertility throughout the period of the projection;
- multiple births are assumed to add one per cent to the total confinement rate to give the total fertility rate.

8. Age specific fertility rates consistent with these assumptions were prepared for each year from 1978 and are shown in table 12 together with actual rates for earlier years. These, applied to the female population for the corresponding year, by 5-year age groups, yield the projected births for calendar years. By averaging the figures for adjacent years, births for financial years were obtained and these are shown in Table 2. The rates were applied to the population exclusive of migration and to the assumed net immigration intake.

9. The birth-order fertility rates, actual and projected, are shown in Table 13.

10. The rationale of these assumptions is that the fall in first-birth fertility rates is thought to be due in large measure to deferment of first births and that this element in the fall is unlikely to continue for long. This is shown in the recovery of the first-birth fertility rates assumed to commence in 1979. That only part of the fall in the first-birth fertility rates is considered to result from deferment is shown by the assumption that the first-birth fertility rate stabilises by 1982 at 850, instead of about 900 which has been the experience of recent generations of women. The assumptions further imply that of the women who have a first child, 85 per cent will have a second child, but that the falling off of fertility rates for high birth orders will continue until 1984. These assumptions are broadly in agreement with the findings of the birth expectations survey.

11. The effect of all these assumptions on the total fertility rate is to bring it to 2,110 per thousand women by 1984. This total fertility rate, which is approximately equivalent to a net reproduction rate of one, is assumed to continue unchanged for the remainder of the projections. Fertility is held at this level not because of any intrinsic stability in a net reproduction rate of one, but because this rate is broadly consistent, on a generation basis, with the two-child norm to which recent family-formation patterns appear to be tending.

12. *Mortality.* Survival ratios for the average of the 2 years 1975 and 1976 are assumed to apply for the period of the projection, except that infant mortality is projected to continue to decline. Infant mortality was 15.2 per thousand live births for males and 12.4 for females in 1976. It was assumed that the annual rate of improvement (2.30 per cent for males and 2.46 per cent for females in 1966-76) would decline by one per cent per annum over the whole of the projection period, bringing the infant mortality rate to 7.7 for males and 6.0 for females in 2011.

13. *Overseas migration.* Selected categories of overseas arrivals and departures are shown for the years 1961 to 1977 in Table 14. In this period net permanent immigration has varied between 149,800 in 1969 and 25,000 in 1975. Permanent arrivals varied between 185,300 in 1970 and 54,100 in 1975, while permanent departures varied between 14,800 in 1961 and 45,900 in 1972.

14. For these projections net immigration is set at an illustrative level of 50,000 persons a year, representing 80,000 arrivals and 30,000 departures. The age sex structure for this net movement was calculated separately for arrivals and departures and was based upon the average for permanent movement during the five years 1972 to 1976. See Table 15.

15. The level of net migration can be varied by pro rata adjustment to the population projected to result from immigration. A net gain of 40,000 persons a year, notionally representing 64,000 permanent arrivals and 24,000 permanent departures, could be derived by multiplying through by 0.8; a net gain of 60,000, representing 96,000 arrivals and 36,000 departures, could be calculated by multiplying by 1.2.

#### Detailed results of projections

16. More detailed results of these projections than those contained in this publication are available on request in the form of two supplements:

1. *Projections of the Population of Australia in Single Years of Age and Single Year Intervals, 1978 to 2021*

2. *Projections of the Population of Australia, Analytic Presentation, 1978 to 2021* which shows for each year the components and rates of increase and the per cent distribution and masculinity of the population in 5-year and other grouped ages.

17. These supplements contain results of the projections exclusive of, resulting from and inclusive of immigration.

#### Rounding

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

**Symbols used**

- — Break in continuity of series (where drawn across a column between consecutive figures).
- .. — nil, not applicable, or less than half the smallest value shown.
- n.a. — not available.
- p — preliminary or provisional.
- r — revised.

**Related publications**

19. Other ABS publications which may be of interest include:

*Births* (3301.0)

*Deaths* (3302)

*Birth Expectations of Married Women* (3213.0)

*Catalogue of Publications* (1101.0)

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TABLE 1. PROJECTED POPULATION OF AUSTRALIA BY SEX  
(<sup>'000</sup>)

June	Exclusive of migration after 30 June 1978			Resulting from net immigration at illustrative level of 50,000 persons a year			Inclusive of net immigration at illustrative level of 50,000 persons a year		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
1977 (a)(b)	7,055.2	7,018.9	14,074.1						
1978 (a)(c)	7,144.2	7,114.8	14,259.0	..	..	..	7,144.2	7,114.8	14,259.0
1979	7,191.3	7,168.6	14,359.9	24.6	26.0	50.6	7,215.9	7,194.6	14,410.5
1980	7,238.4	7,222.4	14,460.8	49.8	52.6	102.4	7,288.2	7,275.0	14,563.1
1981	7,287.2	7,277.8	14,564.9	75.6	79.8	155.4	7,362.8	7,357.5	14,720.3
1982	7,339.2	7,336.1	14,675.3	102.2	107.6	209.8	7,441.4	7,443.8	14,885.1
1983	7,394.1	7,397.3	14,791.5	129.4	136.2	265.6	7,523.6	7,533.5	15,057.1
1984	7,451.2	7,460.6	14,911.8	157.4	165.4	322.8	7,608.6	7,626.0	15,234.6
1985	7,509.2	7,524.7	15,033.9	186.0	195.3	381.3	7,695.2	7,720.0	15,415.1
1986	7,566.5	7,588.2	15,154.7	215.2	225.7	440.9	7,781.7	7,813.9	15,595.6
1987	7,623.1	7,651.0	15,274.1	244.9	256.6	501.5	7,868.0	7,907.6	15,775.7
1988	7,678.8	7,713.1	15,391.9	275.1	288.0	563.1	7,954.0	8,001.1	15,955.0
1989	7,733.7	7,774.2	15,507.9	305.8	319.8	625.7	8,039.5	8,094.1	16,133.5
1990	7,787.6	7,834.5	15,622.1	337.0	352.1	689.0	8,124.5	8,186.6	16,311.1
1991	7,840.7	7,894.0	15,734.6	368.5	384.7	753.2	8,209.1	8,278.6	16,487.8
1992	7,892.8	7,952.4	15,845.3	400.4	417.7	818.1	8,293.2	8,370.1	16,663.4
1993	7,943.9	8,009.8	15,953.8	432.7	451.0	883.7	8,376.6	8,460.9	16,837.5
1994	7,993.8	8,065.9	16,059.7	465.4	484.7	950.1	8,459.2	8,550.6	17,009.8
1995	8,042.2	8,120.5	16,162.6	498.4	518.8	1,017.2	8,540.6	8,639.2	17,179.8
1996	8,089.0	8,173.4	16,262.4	531.9	553.2	1,085.0	8,620.8	8,726.6	17,347.4
1997	8,134.1	8,224.6	16,358.7	565.7	587.9	1,153.6	8,699.8	8,812.6	17,512.3
1998	8,177.5	8,274.1	16,451.6	599.9	623.1	1,223.0	8,777.4	8,897.1	17,674.5
1999	8,218.9	8,321.5	16,540.4	634.5	658.6	1,293.1	8,853.4	8,980.1	17,833.6
2000	8,258.1	8,366.8	16,625.0	669.6	694.6	1,364.2	8,927.7	9,061.4	17,989.1
2001	8,295.2	8,410.0	16,705.2	705.1	730.9	1,436.0	9,000.3	9,141.0	18,141.3
2002	8,330.2	8,451.2	16,781.5	741.1	767.8	1,508.8	9,071.3	9,219.0	18,290.3
2003	8,363.5	8,490.8	16,854.3	777.5	805.0	1,582.5	9,141.0	9,295.8	18,436.8
2004	8,395.3	8,529.0	16,924.3	814.4	842.8	1,657.1	9,209.7	9,371.7	18,581.4
2005	8,426.0	8,566.1	16,992.1	851.7	881.0	1,732.7	9,277.7	9,447.1	18,724.8
2006	8,455.7	8,602.4	17,058.1	889.6	919.6	1,809.2	9,345.3	9,522.1	18,867.3
2007	8,484.7	8,638.1	17,122.8	927.9	958.8	1,886.7	9,412.6	9,596.9	19,009.5
2008	8,513.1	8,673.4	17,186.5	966.6	998.4	1,965.0	9,479.7	9,671.8	19,151.5
2009	8,541.2	8,708.4	17,249.6	1,005.8	1,038.5	2,044.3	9,546.9	9,746.9	19,293.9
2010	8,569.1	8,743.5	17,312.6	1,045.3	1,079.0	2,124.4	9,614.4	9,822.5	19,436.9
2011	8,596.9	8,778.5	17,375.4	1,085.3	1,120.0	2,205.3	9,682.2	9,898.5	19,580.7

(a) Includes migration before 30 June 1978. (b) Estimated. (c) Provisional.

TABLE 2. PROJECTED BIRTHS, DEATHS AND NATURAL INCREASE (a), AUSTRALIA ('000)

Year ending June	Exclusive of migration after 30 June 1978			Resulting from net immigration at illustrative level of 50,000 persons a year			Inclusive of net immigration at illustrative level of 50,000 persons a year		
	Births	Deaths	Natural increase (a)	Births	Deaths	Natural increase (a)	Births	Deaths	Natural increase (a)
1979	219.3	118.5	100.9	0.7	0.1	0.6	220.0	118.6	101.4
1980	221.6	120.7	100.9	2.0	0.2	1.8	223.6	120.9	102.7
1981	227.2	123.0	104.2	3.4	0.4	3.0	230.6	123.4	107.2
1982	235.7	125.3	110.4	5.0	0.6	4.4	240.7	125.9	114.8
1983	243.8	127.7	116.1	6.6	0.8	5.8	250.4	128.4	121.9
1984	250.3	130.0	120.3	8.1	0.9	7.2	258.4	130.9	127.5
1985	254.4	132.3	122.1	9.6	1.1	8.5	264.0	133.4	130.6
1986	255.5	134.6	120.9	10.9	1.3	9.6	266.4	135.9	130.5
1987	256.3	136.9	119.4	12.2	1.5	10.6	268.4	138.4	130.1
1988	256.9	139.1	117.8	13.4	1.7	11.6	270.2	140.9	129.4
1989	257.4	141.4	116.0	14.5	2.0	12.5	271.9	143.4	128.5
1990	257.9	143.7	114.2	15.5	2.2	13.4	273.4	145.8	127.6
1991	258.4	145.9	112.5	16.6	2.4	14.2	275.0	148.3	126.7
1992	258.8	148.1	110.7	17.6	2.7	14.9	276.3	150.8	125.6
1993	258.8	150.3	108.5	18.6	2.9	15.6	277.4	153.2	124.2
1994	258.4	152.5	105.9	19.6	3.2	16.4	277.9	155.7	122.3
1995	257.5	154.6	102.9	20.6	3.5	17.1	278.1	158.1	120.0
1996	256.5	156.7	99.7	21.6	3.7	17.8	278.0	160.5	117.6
1997	255.2	158.8	96.4	22.6	4.0	18.6	277.8	162.8	115.0
1998	253.7	160.8	92.8	23.7	4.3	19.4	277.4	165.2	112.2
1999	251.7	162.9	88.9	24.8	4.7	20.2	276.6	167.5	109.0
2000	249.4	164.8	84.5	26.0	5.0	21.0	275.4	169.8	105.6
2001	247.0	166.8	80.2	27.2	5.4	21.9	274.3	172.2	102.1
2002	245.0	168.7	76.2	28.5	5.7	22.8	273.5	174.4	99.0
2003	243.5	170.7	72.8	29.8	6.1	23.7	273.2	176.7	96.5
2004	242.6	172.6	70.0	31.1	6.5	24.6	273.7	179.0	94.6
2005	242.3	174.5	67.8	32.5	6.9	25.6	274.7	181.4	93.4
2006	242.4	176.4	66.1	33.8	7.3	26.5	276.2	183.7	92.6
2007	242.9	178.3	64.7	35.2	7.7	27.5	278.1	186.0	92.1
2008	243.8	180.2	63.7	36.6	8.2	28.4	280.4	188.4	92.0
2009	245.2	182.1	63.1	37.9	8.7	29.2	283.1	190.8	92.4
2010	247.0	184.0	63.0	39.3	9.2	30.1	286.2	193.2	93.1
2011	248.8	186.0	62.8	40.6	9.7	30.9	289.4	195.7	93.7

(a) Excess of births over deaths.

TABLE 3. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX,  
EXCLUSIVE OF MIGRATION AFTER 30 JUNE 1978  
(<sup>'000</sup>)

Age group	June 1978	June 1979	June 1980	June 1981	June 1986	June 1991	June 1996	June 2001	June 2006	June 2011
MALES										
0 - 4	600.6	584.1	573.6	569.5	627.6	652.3	654.5	638.4	617.9	624.4
5 - 9	670.8	666.1	653.8	636.0	567.8	625.7	650.3	652.6	636.5	616.1
10 - 14	641.0	641.5	647.5	657.2	635.0	566.9	624.7	649.3	651.5	635.5
15 - 19	659.9	660.6	656.9	650.1	654.3	632.1	564.3	622.0	646.4	648.6
20 - 24	608.3	618.8	629.7	640.1	644.4	648.7	626.7	559.5	616.6	640.8
25 - 29	589.8	587.7	588.3	590.7	635.3	639.7	643.8	622.0	555.3	612.0
30 - 34	558.0	575.5	586.1	590.7	586.9	631.2	635.5	639.6	618.0	551.7
35 - 39	454.1	468.1	485.5	506.6	585.8	581.9	625.9	630.2	634.3	612.8
40 - 44	399.6	408.1	417.5	427.3	500.2	578.3	574.5	617.9	622.1	626.2
45 - 49	393.3	386.9	382.6	381.4	418.1	489.4	565.7	562.0	604.6	608.5
50 - 54	394.7	395.2	393.9	390.7	367.4	402.8	471.7	545.0	541.5	582.5
55 - 59	342.9	353.4	361.5	366.6	367.7	345.9	379.3	444.2	513.0	509.7
60 - 64	279.2	280.0	283.7	291.2	332.7	333.5	313.8	344.2	403.3	465.4
65 - 69	228.2	233.1	236.9	238.9	250.1	285.5	286.1	269.2	295.5	346.5
70 - 74	159.3	163.5	167.4	171.5	188.2	197.1	224.9	225.1	212.0	232.9
75 - 79	93.5	97.5	100.4	103.5	118.5	129.9	136.3	155.2	155.2	146.3
80 - 84	45.3	45.2	47.1	49.2	59.2	67.7	74.1	78.0	88.6	88.4
85 and over	25.8	26.0	26.1	26.0	27.5	32.2	37.0	40.8	43.5	48.5
<i>All ages</i>	<i>7,144.2</i>	<i>7,191.3</i>	<i>7,238.4</i>	<i>7,287.2</i>	<i>7,566.5</i>	<i>7,840.7</i>	<i>8,089.0</i>	<i>8,295.2</i>	<i>8,455.7</i>	<i>8,596.9</i>
FEMALES										
0 - 4	571.4	555.4	545.3	541.4	596.5	619.8	621.9	606.5	586.9	593.1
5 - 9	639.7	635.8	623.9	606.5	540.2	595.1	618.5	620.5	605.2	585.7
10 - 14	605.6	607.1	614.2	624.8	605.8	539.5	594.5	617.8	619.8	604.5
15 - 19	626.3	625.5	621.1	614.7	623.6	604.7	538.6	593.4	616.6	618.7
20 - 24	594.0	601.0	608.3	615.3	613.2	622.0	603.2	537.2	591.9	615.0
25 - 29	580.5	580.2	581.7	583.8	613.8	611.6	620.5	601.6	535.8	590.4
30 - 34	531.6	552.5	567.3	576.3	582.0	611.8	609.7	618.5	599.7	534.1
35 - 39	429.5	442.7	459.4	479.9	573.5	579.1	608.9	606.7	615.5	596.8
40 - 44	378.6	387.3	396.5	406.1	476.2	569.0	574.6	604.1	601.9	610.7
45 - 49	368.7	364.2	361.8	362.2	400.9	470.2	561.7	567.3	596.4	594.2
50 - 54	378.0	376.7	374.5	371.1	355.0	393.0	460.9	550.6	556.0	584.6
55 - 59	346.7	356.1	362.8	366.0	359.8	344.3	381.1	447.1	533.9	539.2
60 - 64	301.8	301.9	304.7	311.4	349.1	343.2	328.4	363.6	426.6	509.2
65 - 69	262.7	270.1	275.9	279.1	289.1	324.0	318.4	304.7	337.5	396.1
70 - 74	199.6	205.5	211.8	218.5	247.1	256.1	286.8	281.7	269.8	298.9
75 - 79	144.0	146.7	149.9	153.6	177.8	200.8	208.3	233.0	228.8	219.3
80 - 84	93.4	94.6	96.2	98.0	108.4	125.5	141.5	147.0	164.1	161.0
85 and over	62.8	65.2	67.2	68.9	76.3	84.1	96.1	108.8	116.0	127.2
<i>All ages</i>	<i>7,114.8</i>	<i>7,168.6</i>	<i>7,222.4</i>	<i>7,277.8</i>	<i>7,588.2</i>	<i>7,894.0</i>	<i>8,173.4</i>	<i>8,410.0</i>	<i>8,602.4</i>	<i>8,778.5</i>

TABLE 3. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX,  
EXCLUSIVE OF MIGRATION AFTER 30 JUNE 1978 – *continued*  
(’000)

Age group	June 1978	June 1979	June 1980	June 1981	June 1986	June 1991	June 1996	June 2001	June 2006	June 2011
PERSONS										
0 – 4	1,172.0	1,139.5	1,118.9	1,110.9	1,224.1	1,272.1	1,276.4	1,244.8	1,204.9	1,217.5
5 – 9	1,310.5	1,302.0	1,277.7	1,242.6	1,107.9	1,220.8	1,268.8	1,273.1	1,241.7	1,201.8
10 – 14	1,246.7	1,248.6	1,261.7	1,281.9	1,240.8	1,106.4	1,219.2	1,267.0	1,271.3	1,239.9
15 – 19	1,286.2	1,286.1	1,278.0	1,264.8	1,277.9	1,236.9	1,102.9	1,215.4	1,263.0	1,267.3
20 – 24	1,202.3	1,219.8	1,238.0	1,255.4	1,257.6	1,270.7	1,229.8	1,096.7	1,208.5	1,255.9
25 – 29	1,170.3	1,167.9	1,170.0	1,174.5	1,249.1	1,251.3	1,264.3	1,223.7	1,091.1	1,202.4
30 – 34	1,089.6	1,128.0	1,153.4	1,167.0	1,168.8	1,243.0	1,245.2	1,258.2	1,217.7	1,085.9
35 – 39	883.6	910.8	944.8	986.5	1,159.2	1,161.1	1,234.8	1,236.9	1,249.8	1,209.6
40 – 44	778.3	795.5	814.0	833.4	976.4	1,147.3	1,149.1	1,222.0	1,224.0	1,236.9
45 – 49	762.0	751.1	744.4	743.6	819.0	959.6	1,127.4	1,129.3	1,201.0	1,202.8
50 – 54	772.6	771.9	768.3	761.8	722.5	795.8	932.6	1,095.6	1,097.5	1,167.1
55 – 59	689.6	709.5	724.3	732.6	727.5	690.2	760.4	891.3	1,046.9	1,048.9
60 – 64	581.0	581.9	588.4	602.6	681.8	676.7	642.2	707.8	829.9	974.6
65 – 69	490.9	503.3	512.8	518.1	539.1	609.4	604.4	574.0	633.0	742.5
70 – 74	358.9	369.0	379.2	390.0	435.3	453.2	511.6	506.8	481.8	531.7
75 – 79	237.5	244.3	250.3	257.1	296.2	330.7	344.6	388.3	384.0	365.5
80 – 84	138.7	139.7	143.2	147.2	167.6	193.2	215.6	224.9	252.7	249.3
85 and over	88.5	91.3	93.4	94.9	103.8	116.3	133.1	149.5	159.4	175.7
All ages	14,259.0	14,359.9	14,460.8	14,564.9	15,154.7	15,734.6	16,262.4	16,705.2	17,058.1	17,375.4



TABLE 4. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX,  
RESULTING FROM NET IMMIGRATION AT ILLUSTRATIVE LEVEL OF 50,000 PERSONS A YEAR  
(<sup>'000</sup>)

Age group	June 1979	June 1980	June 1981	June 1986	June 1991	June 1996	June 2001	June 2006	June 2011
MALES									
0 - 4	3.6	7.2	10.8	29.5	45.8	58.8	72.4	88.3	105.6
5 - 9	2.8	5.8	9.0	26.6	45.3	61.5	74.5	88.0	103.9
10 - 14	2.0	4.0	6.3	20.2	37.8	56.5	72.6	85.7	99.2
15 - 19	1.8	3.5	5.2	15.0	28.9	46.4	65.0	81.1	94.0
20 - 24	4.0	7.6	10.6	20.4	30.2	43.9	61.3	79.7	95.7
25 - 29	3.8	7.9	12.1	31.2	40.9	50.5	64.2	81.4	99.7
30 - 34	2.4	5.0	7.9	26.8	45.7	55.4	64.9	78.5	95.7
35 - 39	1.5	3.2	5.0	16.8	35.5	54.3	63.9	73.4	86.8
40 - 44	1.0	2.2	3.4	11.0	22.7	41.2	59.7	69.2	78.5
45 - 49	0.4	1.0	1.6	6.6	14.0	25.5	43.6	61.7	70.9
50 - 54	0.2	0.4	0.6	2.8	7.6	14.8	25.9	43.3	60.7
55 - 59	0.2	0.3	0.5	1.4	3.5	8.0	14.8	25.2	41.6
60 - 64	0.3	0.5	0.7	1.6	2.4	4.3	8.4	14.5	24.0
65 - 69	0.3	0.7	1.0	2.2	2.9	3.6	5.2	8.7	14.0
70 - 74	0.2	0.3	0.6	1.8	2.8	3.3	3.9	5.2	8.0
75 - 79	0.1	0.1	0.2	0.8	1.7	2.3	2.7	3.1	4.0
80 - 84	..	0.1	0.1	0.3	0.6	1.1	1.5	1.7	1.9
85 and over	..	..	0.1	0.1	0.3	0.4	0.7	0.9	1.0
<i>All ages</i>	<i>24.6</i>	<i>49.8</i>	<i>75.6</i>	<i>215.2</i>	<i>368.5</i>	<i>531.9</i>	<i>705.1</i>	<i>889.6</i>	<i>1,085.3</i>
FEMALES									
0 - 4	3.4	6.9	10.3	28.2	43.6	56.1	68.9	84.0	100.5
5 - 9	2.5	5.2	8.1	24.7	42.6	58.0	70.4	83.2	98.3
10 - 14	1.8	3.6	5.6	18.1	34.7	52.6	67.9	80.3	93.1
15 - 19	2.3	4.4	6.3	15.4	27.9	44.5	62.3	77.6	90.0
20 - 24	4.6	8.8	12.5	24.6	33.8	46.2	62.8	80.5	95.8
25 - 29	3.8	7.9	12.3	34.0	46.2	55.3	67.7	84.2	101.9
30 - 34	2.4	5.0	7.8	26.7	48.4	60.4	69.5	81.9	98.4
35 - 39	1.4	2.9	4.6	16.4	35.2	56.8	68.8	77.8	90.1
40 - 44	0.8	1.7	2.6	9.5	21.3	39.9	61.3	73.2	82.2
45 - 49	0.5	1.1	1.7	5.7	12.5	24.1	42.4	63.6	75.3
50 - 54	0.5	1.0	1.5	4.2	8.1	14.8	26.2	44.2	64.9
55 - 59	0.4	0.9	1.3	3.8	6.4	10.1	16.6	27.7	45.1
60 - 64	0.7	1.3	1.8	4.0	6.3	8.8	12.4	18.6	29.2
65 - 69	0.5	1.0	1.6	4.6	6.6	8.8	11.1	14.4	20.2
70 - 74	0.3	0.6	0.9	3.1	5.7	7.5	9.4	11.5	14.5
75 - 79	0.1	0.3	0.4	1.6	3.4	5.5	7.0	8.5	10.2
80 - 84	0.1	0.1	0.2	0.6	1.5	2.7	4.2	5.2	6.3
85 and over	..	..	0.1	0.2	0.6	1.1	2.0	3.2	4.1
<i>All ages</i>	<i>26.0</i>	<i>52.6</i>	<i>79.8</i>	<i>225.7</i>	<i>384.7</i>	<i>553.2</i>	<i>730.9</i>	<i>919.6</i>	<i>1,120.0</i>

TABLE 4. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX,  
RESULTING FROM NET IMMIGRATION AT ILLUSTRATIVE LEVEL OF 50,000 PERSONS A YEAR – *continued*  
(‘000)

Age group	June 1979	June 1980	June 1981	June 1986	June 1991	June 1996	June 2001	June 2006	June 2011
PERSONS									
0 – 4	7.0	14.1	21.1	57.8	89.4	114.9	141.3	172.3	206.1
5 – 9	5.3	11.0	17.0	51.4	87.9	119.4	144.9	171.2	202.2
10 – 14	3.7	7.7	11.9	38.3	72.6	109.1	140.6	166.0	192.3
15 – 19	4.2	7.9	11.5	30.4	56.8	90.9	127.3	158.7	184.0
20 – 24	8.5	16.3	23.1	45.1	63.9	90.1	124.1	160.3	191.5
25 – 29	7.6	15.7	24.4	65.2	87.0	105.8	131.8	165.6	201.6
30 – 34	4.7	10.0	15.8	53.4	94.1	115.8	134.5	160.4	194.0
35 – 39	2.9	6.1	9.6	33.3	70.7	111.0	132.6	151.2	176.9
40 – 44	1.8	3.8	6.0	20.5	44.0	81.0	121.0	142.4	160.7
45 – 49	1.0	2.1	3.3	12.2	26.5	49.6	86.0	125.3	146.3
50 – 54	0.7	1.4	2.2	7.0	15.7	29.6	52.0	87.4	125.6
55 – 59	0.6	1.2	1.8	5.2	9.9	18.1	31.4	52.9	86.7
60 – 64	0.9	1.8	2.6	5.6	8.8	13.1	20.8	33.2	53.2
65 – 69	0.8	1.7	2.6	6.7	9.5	12.4	16.3	23.2	34.2
70 – 74	0.4	0.9	1.5	5.0	8.5	10.8	13.3	16.7	22.4
75 – 79	0.2	0.4	0.7	2.4	5.1	7.8	9.6	11.6	14.2
80 – 84	0.1	0.2	0.3	0.9	2.1	3.9	5.7	6.9	8.3
85 and over	..	0.1	0.1	0.4	0.8	1.6	2.7	4.0	5.1
All ages	50.6	102.4	155.4	440.9	753.2	1,085.0	1,436.0	1,809.2	2,205.3

TABLE 5. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX,  
INCLUSIVE OF NET IMMIGRATION AT ILLUSTRATIVE LEVEL OF 50,000 PERSONS A YEAR  
(<sup>'000</sup>)

Age group	June 1978	June 1979	June 1980	June 1981	June 1986	June 1991	June 1996	June 2001	June 2006	June 2011
MALES										
0 - 4	600.6	587.7	580.8	580.3	657.1	698.0	713.3	710.8	706.2	730.1
5 - 9	670.8	668.9	659.6	645.0	594.4	671.0	711.8	727.1	724.6	720.0
10 - 14	641.0	643.4	651.5	663.4	655.2	604.7	681.2	721.9	737.2	734.6
15 - 19	659.9	662.4	660.4	655.2	669.3	661.0	610.8	687.0	727.5	742.7
20 - 24	608.3	622.8	637.3	650.7	664.9	678.8	670.6	620.8	696.3	736.5
25 - 29	589.8	591.5	596.1	602.8	666.5	680.5	694.3	686.2	636.8	711.7
30 - 34	558.0	577.9	591.1	598.7	613.6	676.9	690.9	704.6	696.5	647.4
35 - 39	454.1	469.6	488.7	511.6	602.6	617.5	680.2	694.0	707.7	699.6
40 - 44	399.6	409.1	419.6	430.7	511.2	601.0	615.7	677.6	691.2	704.7
45 - 49	393.3	387.4	383.6	383.0	424.6	503.5	591.2	605.6	666.3	679.4
50 - 54	394.7	395.4	394.3	391.3	370.3	410.4	486.5	570.9	584.8	643.3
55 - 59	342.9	353.6	361.9	367.1	369.1	349.3	387.2	459.0	538.2	551.3
60 - 64	279.2	280.2	284.2	291.9	334.2	335.9	318.1	352.6	417.9	489.4
65 - 69	228.2	233.5	237.6	239.9	252.2	288.3	289.7	274.4	304.2	360.5
70 - 74	159.3	163.7	167.8	172.0	190.0	199.9	228.2	229.0	217.2	240.8
75 - 79	93.5	97.6	100.5	103.7	119.2	131.5	138.6	157.9	158.3	150.3
80 - 84	45.3	45.2	47.1	49.3	59.5	68.3	75.2	79.4	90.3	90.3
85 and over	25.7	26.1	26.2	26.1	27.7	32.4	37.4	41.5	44.4	49.6
<i>All ages</i>	<i>7,144.2</i>	<i>7,215.9</i>	<i>7,288.2</i>	<i>7,362.8</i>	<i>7,781.7</i>	<i>8,209.1</i>	<i>8,620.8</i>	<i>9,000.3</i>	<i>9,345.3</i>	<i>9,682.2</i>
FEMALES										
0 - 4	571.4	558.8	552.2	551.7	624.7	663.5	677.9	675.4	671.0	693.6
5 - 9	639.7	638.3	629.1	614.6	564.9	637.7	676.4	690.9	688.4	684.0
10 - 14	605.6	608.9	617.8	630.4	623.9	574.3	647.0	685.7	700.1	697.6
15 - 19	626.3	627.8	625.5	621.0	639.1	632.6	583.1	655.7	694.3	708.7
20 - 24	594.0	605.5	617.1	627.8	637.8	655.8	649.4	600.0	672.4	710.9
25 - 29	580.5	584.0	589.6	596.1	647.8	657.8	675.7	669.3	620.0	692.3
30 - 34	531.6	554.8	572.3	584.1	608.6	660.2	670.1	688.0	681.6	632.5
35 - 39	429.5	444.1	462.3	484.5	589.9	614.3	665.6	675.5	693.3	686.9
40 - 44	378.6	388.1	398.2	408.7	485.7	590.2	614.5	665.4	675.1	692.9
45 - 49	368.7	364.7	362.9	363.9	406.6	482.7	585.8	609.7	660.0	669.6
50 - 54	378.0	377.2	375.5	372.6	359.3	401.1	475.7	576.7	600.2	649.4
55 - 59	346.7	356.5	363.7	367.3	363.6	350.7	391.3	463.7	561.6	584.3
60 - 64	301.8	302.6	306.0	313.3	353.1	349.5	337.2	376.0	445.2	538.4
65 - 69	262.7	270.6	276.9	280.7	293.7	330.5	327.1	315.8	351.9	416.2
70 - 74	199.6	205.8	212.4	219.5	250.3	261.8	294.3	291.2	281.3	313.3
75 - 79	144.0	146.9	150.2	154.1	179.4	204.2	213.8	240.0	237.3	229.5
80 - 84	93.4	94.6	96.3	98.2	109.0	126.9	144.2	151.2	169.4	167.3
85 and over	62.8	65.3	67.3	69.0	76.5	84.7	97.3	110.8	119.1	131.2
<i>All ages</i>	<i>7,114.8</i>	<i>7,194.6</i>	<i>7,275.0</i>	<i>7,357.5</i>	<i>7,813.9</i>	<i>8,278.6</i>	<i>8,726.6</i>	<i>9,141.0</i>	<i>9,522.1</i>	<i>9,898.5</i>

TABLE 5. PROJECTED POPULATION OF AUSTRALIA : 5-YEAR AGE GROUPS BY SEX,  
INCLUSIVE OF NET IMMIGRATION AT ILLUSTRATIVE LEVEL OF 50,000 PERSONS A YEAR - *continued*  
(<sup>'000</sup>)

<i>Age group</i>	<i>June 1978</i>	<i>June 1979</i>	<i>June 1980</i>	<i>June 1981</i>	<i>June 1986</i>	<i>June 1991</i>	<i>June 1996</i>	<i>June 2001</i>	<i>June 2006</i>	<i>June 2011</i>
PERSONS										
0 - 4	1,172.0	1,146.5	1,132.9	1,132.0	1,281.9	1,361.5	1,391.3	1,386.2	1,377.2	1,423.6
5 - 9	1,310.5	1,307.2	1,288.7	1,259.6	1,159.3	1,308.7	1,388.2	1,418.0	1,412.9	1,404.0
10 - 14	1,246.7	1,252.3	1,269.3	1,293.8	1,279.1	1,179.0	1,328.2	1,407.6	1,437.3	1,432.2
15 - 19	1,286.2	1,290.2	1,285.9	1,276.3	1,308.3	1,293.6	1,193.9	1,342.7	1,421.7	1,451.3
20 - 24	1,202.3	1,228.3	1,254.4	1,278.5	1,302.7	1,334.6	1,320.0	1,220.7	1,368.7	1,447.3
25 - 29	1,170.3	1,175.5	1,185.7	1,198.9	1,314.3	1,338.3	1,370.0	1,355.5	1,256.8	1,404.0
30 - 34	1,089.6	1,132.7	1,163.4	1,182.8	1,222.3	1,337.1	1,361.0	1,392.6	1,378.1	1,279.9
35 - 39	883.6	913.7	951.0	996.1	1,192.5	1,231.8	1,345.8	1,369.5	1,401.0	1,386.5
40 - 44	778.3	797.3	817.8	839.4	996.9	1,191.3	1,230.1	1,343.0	1,366.4	1,397.6
45 - 49	762.0	752.1	746.4	746.9	831.2	986.1	1,177.0	1,215.3	1,326.2	1,349.0
50 - 54	772.6	772.6	769.8	764.0	729.5	811.5	962.2	1,147.6	1,185.0	1,292.7
55 - 59	689.6	710.1	725.5	734.4	732.7	700.0	778.5	922.7	1,099.7	1,135.6
60 - 64	581.0	582.8	590.2	605.2	687.3	685.4	655.3	728.6	863.1	1,027.8
65 - 69	490.9	504.1	514.5	520.7	545.9	618.9	616.8	590.3	656.1	776.7
70 - 74	358.9	369.4	380.1	391.5	440.3	461.7	522.5	520.2	498.5	554.2
75 - 79	237.5	244.5	250.7	257.8	298.6	335.8	352.4	397.9	395.6	379.7
80 - 84	138.7	139.8	143.4	147.4	168.5	195.2	219.4	230.7	259.6	257.6
85 and over	88.5	91.4	93.5	95.1	104.2	117.1	134.7	152.2	163.5	180.8
<b>All ages</b>	<b>14,259.0</b>	<b>14,410.5</b>	<b>14,563.1</b>	<b>14,720.3</b>	<b>15,595.6</b>	<b>16,487.8</b>	<b>17,347.4</b>	<b>18,141.3</b>	<b>18,867.3</b>	<b>19,580.7</b>

TABLE 6. ACTUAL AND PROJECTED AVERAGE ANNUAL RATES OF GROWTH (a), AUSTRALIA  
(per cent)

ACTUAL								
	<i>Births</i>	<i>Deaths</i>	<i>Natural increase</i>	<i>Net immigration</i>	<i>Rate of growth</i>			
1971-76 (b) r	1.89	0.85	1.04	0.43	1.47			
1976-78 (c)	1.70	0.85	0.85	0.37	1.23			
PROJECTED								
	<i>Exclusive of migration after 30 June 1978</i>			<i>Inclusive of net immigration at illustrative level of 50,000 persons a year</i>				
	<i>Births</i>	<i>Deaths</i>	<i>Rate of growth</i>	<i>Births</i>	<i>Deaths</i>	<i>Natural increase</i>	<i>Net immigration</i>	<i>Rate of growth</i>
1978-81	1.55	0.84	0.71	1.56	0.84	0.72	0.35	1.07
1981-86	1.68	0.88	0.80	1.70	0.87	0.83	0.33	1.16
1986-91	1.67	0.92	0.75	1.70	0.90	0.80	0.31	1.12
1991-96	1.62	0.96	0.66	1.65	0.92	0.72	0.30	1.02
1996-2001	1.53	0.99	0.54	1.56	0.95	0.61	0.28	0.90
2001-06	1.44	1.02	0.42	1.49	0.97	0.51	0.27	0.79
2006-11	1.42	1.06	0.37	1.48	1.00	0.48	0.26	0.74

(a) Calculated using the compound interest principle. The rates are split between the components of natural increase and net migration according to the relative size of each component. (b) Based on revised population estimates to allow for evidence of underenumeration in the 1976 and 1971 censuses. (c) Based on preliminary estimates of the population and its annual components of change at 30 June 1977 and 30 June 1978.

**TABLE 7. PERCENTAGE AGE DISTRIBUTION AND MEDIAN AGE OF PROJECTED POPULATION OF AUSTRALIA :  
EXCLUSIVE OF MIGRATION AFTER 30 JUNE 1978**

June	Age distribution (per cent)						All ages	Median age (a) (years)
	0 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 and over		
<b>MALES</b>								
1978 (b)	8.4	18.4	17.8	28.0	19.7	7.7	100.0	28.33
1981	7.8	17.7	17.7	29.0	19.6	8.1	100.0	29.15
1986	8.3	15.9	17.2	30.5	19.6	8.5	100.0	30.16
1991	8.3	15.2	16.3	31.0	20.0	9.1	100.0	31.19
1996	8.1	15.8	14.7	30.7	21.4	9.4	100.0	32.25
2001	7.7	15.7	14.2	30.3	22.8	9.3	100.0	33.10
2006	7.3	15.2	14.9	28.7	24.4	9.4	100.0	34.13
2011	7.3	14.6	15.0	27.9	25.2	10.0	100.0	34.73
<b>FEMALES</b>								
1978 (b)	8.0	17.5	17.2	27.0	19.6	10.7	100.0	29.48
1981	7.4	16.9	16.9	28.1	19.4	11.2	100.0	30.45
1986	7.9	15.1	16.3	29.6	19.3	11.8	100.0	31.71
1991	7.9	14.4	15.5	30.0	19.6	12.5	100.0	32.85
1996	7.6	14.8	14.0	29.5	21.2	12.9	100.0	34.04
2001	7.2	14.7	13.4	28.9	22.9	12.8	100.0	35.08
2006	6.8	14.2	14.0	27.4	24.6	13.0	100.0	36.13
2011	6.8	13.6	14.1	26.6	25.4	13.7	100.0	37.18
<b>PERSONS</b>								
1978 (b)	8.2	17.9	17.5	27.5	19.7	9.2	100.0	28.90
1981	7.6	17.3	17.3	28.6	19.5	9.7	100.0	29.80
1986	8.1	15.5	16.7	30.0	19.5	10.2	100.0	30.92
1991	8.1	14.8	15.9	30.5	19.8	10.8	100.0	32.01
1996	7.8	15.3	14.3	30.1	21.3	11.1	100.0	33.13
2001	7.5	15.2	13.8	29.6	22.9	11.0	100.0	34.06
2006	7.1	14.7	14.5	28.0	24.5	11.2	100.0	35.12
2011	7.0	14.1	14.5	27.2	25.3	11.9	100.0	35.96

(a) Estimated age separating the younger half of the population from the older. (b) Provisional estimates.

**TABLE 8. PERCENTAGE AGE DISTRIBUTION AND MEDIAN AGE OF PROJECTED POPULATION OF AUSTRALIA :  
INCLUSIVE OF NET IMMIGRATION AT ILLUSTRATIVE LEVEL OF 50,000 PERSONS A YEAR**

June	Age distribution (per cent)							Median age (a) (years)
	0 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 and over	All ages	
<b>MALES</b>								
1978 (b)	8.4	18.4	17.8	28.0	19.7	7.7	100.0	28.33
1981	7.9	17.8	17.7	29.1	19.5	8.0	100.0	29.03
1986	8.4	16.1	17.1	30.8	19.3	8.3	100.0	29.87
1991	8.5	15.5	16.3	31.4	19.5	8.8	100.0	30.79
1996	8.3	16.2	14.9	31.1	20.7	8.9	100.0	31.69
2001	7.9	16.1	14.5	30.7	22.1	8.7	100.0	32.40
2006	7.6	15.6	15.2	29.2	23.6	8.7	100.0	33.27
2011	7.5	15.0	15.3	28.5	24.4	9.2	100.0	33.61
<b>FEMALES</b>								
1978 (b)	8.0	17.5	17.2	27.0	19.6	10.7	100.0	29.48
1981	7.5	16.9	17.0	28.2	19.3	11.2	100.0	30.32
1986	8.0	15.2	16.3	29.8	19.0	11.6	100.0	31.36
1991	8.0	14.6	15.6	30.5	19.1	12.2	100.0	32.37
1996	7.8	15.2	14.1	30.1	20.5	12.3	100.0	33.42
2001	7.4	15.1	13.7	29.5	22.2	12.1	100.0	34.29
2006	7.0	14.6	14.4	28.0	23.8	12.2	100.0	35.23
2011	7.0	14.0	14.3	27.3	24.7	12.7	100.0	36.00
<b>PERSONS</b>								
1978 (b)	8.2	17.9	17.5	27.5	19.7	9.2	100.0	28.90
1981	7.7	17.3	17.4	28.6	19.4	9.6	100.0	29.67
1986	8.2	15.6	16.7	30.3	19.1	10.0	100.0	30.61
1991	8.3	15.1	15.9	30.9	19.3	10.5	100.0	31.57
1996	8.0	15.7	14.5	30.6	20.6	10.6	100.0	32.55
2001	7.6	15.6	14.1	30.1	22.1	10.4	100.0	33.32
2006	7.3	15.1	14.8	28.6	23.7	10.5	100.0	34.25
2011	7.3	14.5	14.8	27.9	24.5	11.0	100.0	34.80

(a) Estimated age separating the younger half of the population from the older. (b) Provisional estimates.

TABLE 9. AVERAGE ANNUAL RATES OF GROWTH (a), BY AGE GROUPS,  
PROJECTED POPULATION OF AUSTRALIA : EXCLUSIVE OF MIGRATION AFTER 30 JUNE 1978  
(per cent)

	Age group						All ages
	0 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 and over	
MALES							
1978-81	-1.8	-0.4	0.6	1.9	0.5	2.2	0.7
1981-86	2.0	-1.4	0.1	1.8	0.8	1.8	0.8
1986-91	0.8	-0.2	-0.3	1.0	1.1	2.1	0.7
1991-96	0.1	1.3	-1.4	0.4	1.9	1.3	0.6
1996-2001	-0.5	0.4	-0.2	0.2	1.8	0.3	0.5
2001-06	-0.6	-0.2	1.3	-0.6	1.7	0.7	0.4
2006-11	0.2	-0.6	0.4	-0.2	1.0	1.6	0.3
FEMALES							
1978-81	-1.8	-0.4	0.3	2.1	0.4	2.4	0.8
1981-86	2.0	-1.4	0.1	1.9	0.8	1.9	0.8
1986-91	0.8	-0.2	-0.2	1.1	1.1	2.0	0.8
1991-96	0.1	1.3	-1.4	0.4	2.2	1.2	0.7
1996-2001	-0.5	0.4	-0.2	0.1	2.2	0.5	0.6
2001-06	-0.7	-0.2	1.3	-0.6	1.8	0.7	0.5
2006-11	0.2	-0.6	0.4	-0.2	1.1	1.5	0.4
PERSONS							
1978-81	-1.8	-0.4	0.4	2.0	0.4	2.3	0.7
1981-86	2.0	-1.4	0.1	1.8	0.8	1.8	0.8
1986-91	0.8	-0.2	-0.2	1.1	1.1	2.0	0.8
1991-96	0.1	1.3	-1.4	0.4	2.1	1.2	0.7
1996-2001	-0.5	0.4	-0.2	0.2	2.0	0.4	0.5
2001-06	-0.6	-0.2	1.3	-0.6	1.8	0.7	0.4
2006-11	0.2	-0.6	0.4	-0.2	1.0	1.6	0.4

(a) Increase during the period as a percentage of the population at the beginning of the period expressed as an annual rate using the compound interest principle.



TABLE 10. AVERAGE ANNUAL RATES OF GROWTH (a), BY AGE GROUPS, PROJECTED  
POPULATION OF AUSTRALIA : INCLUSIVE OF NET IMMIGRATION AT ILLUSTRATIVE  
LEVEL OF 50,000 PERSONS A YEAR  
(per cent)

	Age group						All ages
	0 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 and over	
MALES							
1978-81	-1.1	-0.1	1.0	2.3	0.5	2.3	1.0
1981-86	2.5	-0.9	0.4	2.2	0.9	1.9	1.1
1986-91	1.2	0.4	0.1	1.5	1.3	2.1	1.1
1991-96	0.4	1.8	-0.9	0.8	2.2	1.3	1.0
1996-2001	-0.1	0.8	0.4	0.6	2.2	0.3	0.9
2001-06	-0.1	0.2	1.7	-0.2	2.1	0.8	0.8
2006-11	0.7	-0.1	0.8	0.2	1.4	1.8	0.7
FEMALES							
1978-81	-1.2	..	0.8	2.6	0.5	2.5	1.1
1981-86	2.5	-0.9	0.4	2.4	0.9	2.0	1.2
1986-91	1.2	0.4	0.2	1.6	1.3	2.1	1.2
1991-96	0.4	1.8	-0.9	0.8	2.5	1.3	1.1
1996-2001	-0.1	0.8	0.4	0.5	2.5	0.6	0.9
2001-06	-0.1	0.2	1.7	-0.2	2.3	0.9	0.8
2006-11	0.7	-0.1	0.8	0.3	1.5	1.6	0.8
PERSONS							
1978-81	-1.1	..	0.9	2.4	0.5	2.4	1.1
1981-86	2.5	-0.9	0.4	2.3	0.9	2.0	1.2
1986-91	1.2	0.4	0.1	1.5	1.3	2.1	1.1
1991-96	0.4	1.8	-0.9	0.8	2.3	1.3	1.0
1996-2001	-0.1	0.8	0.4	0.6	2.4	0.5	0.9
2001-06	-0.1	0.2	1.7	-0.2	2.2	0.9	0.8
2006-11	0.7	-0.1	0.8	0.2	1.4	1.7	0.7

(a) Increase during the period as a percentage of the population at the beginning of the period expressed as an annual rate using the compound interest principle.

TABLE 11. MASCULINITY OF PROJECTED POPULATION OF AUSTRALIA, BY AGE GROUPS

(males per hundred females)

June	Age group						All ages
	0 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 and over	
EXCLUSIVE OF MIGRATION AFTER JUNE 1978							
1978	105.1	105.3	103.9	104.2	101.1	72.4	100.4
1981	105.2	105.0	104.9	103.4	101.3	72.0	100.1
1986	105.2	105.0	105.0	102.8	101.4	71.6	99.7
1991	105.2	105.1	104.4	102.5	101.3	71.9	99.3
1996	105.2	105.1	104.3	102.7	99.9	72.1	99.0
2001	105.3	105.1	104.5	103.2	98.3	71.4	98.6
2006	105.3	105.1	104.5	103.3	97.6	71.2	98.3
2011	105.3	105.2	104.5	103.0	97.3	71.7	97.9
INCLUSIVE OF NET IMMIGRATION AT ILLUSTRATIVE LEVEL OF 50,000 PERSONS A YEAR							
1978	105.1	105.3	103.9	104.2	101.1	72.4	100.4
1981	105.2	105.1	104.6	103.4	101.1	72.0	100.1
1986	105.2	105.1	104.5	102.7	101.1	71.4	99.6
1991	105.2	105.3	104.0	102.1	101.0	71.5	99.2
1996	105.2	105.2	104.0	102.1	99.6	71.4	98.8
2001	105.2	105.3	104.1	102.4	98.1	70.5	98.5
2006	105.2	105.3	104.2	102.3	97.4	70.3	98.1
2011	105.3	105.3	104.2	102.2	96.8	70.9	97.8

TABLE 12. ACTUAL AND PROJECTED AGE-SPECIFIC BIRTH RATES, TOTAL FERTILITY AND NET REPRODUCTION RATES, AUSTRALIA

	Age group							Total fertility	Net reproduction rate
	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49		
ACTUAL									
1961	47.4	225.8	221.2	131.1	63.4	19.2	1.4	3,547	1.67
1966	48.9	173.1	183.9	105.1	50.6	14.2	1.0	2,884	1.36
1971	55.5	181.9	193.5	101.8	44.2	11.3	0.8	2,944	1.40
1976	35.6	129.2	147.3	73.1	24.3	5.6	0.4	2,077	0.98
PROVISIONAL (a)									
1977	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2,035	0.96
PROJECTED									
1978	31.5	121.8	138.9	66.7	21.5	4.3	0.3	1,925	0.91
1979	30.5	121.5	138.7	65.6	20.7	3.8	0.2	1,905	0.90
1980	30.1	123.4	140.9	65.6	20.3	3.5	0.2	1,920	0.91
1981	30.1	127.0	145.0	66.5	20.2	3.1	0.1	1,960	0.93
1982	30.3	132.6	151.4	68.4	20.4	2.8	0.1	2,030	0.96
1983	30.1	135.9	155.4	69.0	20.1	2.4	0.1	2,065	0.98
1984-2011	30.0	140.0	160.0	70.0	20.0	2.0	..	2,110	1.00

(a) Based on incomplete data.

NOTE. The *age-specific birth rate* is the number of live births to mothers of a specified age per 1,000 of the female population of that age. *Total fertility* is the sum of the age-specific birth rates. The (female) *net reproduction rate* is the average number of daughters that would be born during their reproductive lifetime to a group of women subjected to the age-specific birth rates of the year shown and to current mortality rates.

TABLE 13. ACTUAL AND PROJECTED FERTILITY RATES BY BIRTH ORDER,  
EX-NUPTIAL RATE AND TOTAL FERTILITY, AUSTRALIA

	<i>Birth order</i>					<i>Total nuptial</i>	<i>Ex-nuptial</i>	<i>Total (confinements)</i>	<i>Total fertility</i>
	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5 or more</i>				
ACTUAL									
1961	1,030	898	647	378	384	3,337	174	3,511	3,547
1966	898	732	486	266	283	2,665	190	2,855	2,884
1971	954	789	476	233	213	2,666	254	2,920	2,944
1976	690	663	317	112	73	1,855	202	2,056	2,077
PROVISIONAL (a)									
1977	n.a.	n.a.	n.a.	n.a.	n.a.	1,820	195	2,015	2,035
PROJECTED									
1978	650	600	305	105	55	1,715	190	1,905	1,925
1979	700	570	280	95	50	1,695	190	1,885	1,905
1980	750	575	255	90	40	1,710	190	1,900	1,920
1981	800	595	230	85	35	1,745	195	1,940	1,960
1982	850	640	220	75	25	1,810	200	2,010	2,030
1983	850	680	220	70	20	1,840	205	2,045	2,065
1984-2011	850	715	225	70	20	1,880	210	2,090	2,110

(a) Based on incomplete data.

NOTE. All rates shown above are the sum of age-specific rates per 1,000 females in each age group. *Fertility rates by birth order* relate to first, second, etc. confinements (to an existing marriage), and are summed to the *total nuptial fertility rate*. Similarly, the *ex-nuptial fertility rate* relates to ex-nuptial confinements. A factor, to allow for multiple births, is applied to the total fertility (confinements) to obtain the *total fertility rate*.

TABLE 14. OVERSEAS ARRIVALS AND DEPARTURES, BY CATEGORY,  
AUSTRALIA, 1961 TO 1977  
(<sup>'000</sup>)

	<i>Permanent movement</i>			<i>Net long-term movement</i>	<i>Net permanent and long-term movement</i>	<i>Net short-term movement</i>	<i>Net total movement</i>		
	<i>Arrivals</i>	<i>Departures</i>	<i>Net</i>				<i>Males</i>	<i>Females</i>	<i>Persons</i>
1961	95.4	14.8	80.6	-12.2	68.4	-6.9	29.1	32.5	61.5
1962	90.5	15.4	75.0	-10.4	64.6	-2.1	28.6	33.9	62.5
1963	108.2	16.3	91.9	-15.0	76.8	-5.2	36.2	35.4	71.6
1964	134.5	15.1	119.4	-15.4	104.0	-4.7	52.1	47.3	99.3
1965	147.5	20.9	126.6	-15.0	111.6	-6.8	54.5	50.3	104.9
1966	141.0	26.3	114.7	-18.8	95.9	-9.0	44.9	42.0	86.9
1967	135.0	30.8	104.2	-7.7	96.6	-4.6	49.6	42.3	91.9
1968	159.3	31.7	127.6	-4.1	123.5	-10.4	61.5	51.6	113.1
1969	183.4	33.6	149.8	-9.5	140.3	-11.3	69.7	59.3	129.0
1970	185.3	37.3	148.0	-9.6	138.4	-15.5	65.5	57.3	122.9
1971	155.5	41.1	114.4	-10.9	103.6	-18.9	43.6	41.0	84.6
1972	112.5	45.9	66.6	-10.3	56.3	-28.5	11.0	16.9	27.8
1973	105.0	43.4	61.6	5.9	67.5	-27.1	20.0	20.4	40.4
1974	121.3	33.8	87.6	-0.3	87.2	-0.1	47.1	40.0	87.1
1975	54.1	29.1	25.0	-11.5	13.5	-21.6	-6.2	-2.0	-8.1
1976	58.3	26.7	31.6	-6.0	25.6	13.9	14.9	24.5	39.5
1977	75.6	22.8	52.9	1.9	54.8	24.8	28.2	51.4	79.5

NOTE. *Permanent movement* consists of settlers arriving and Australian residents departing permanently, including former settlers. *Long-term movement* comprises overseas visitors arriving and Australian residents departing temporarily with the intention to stay, in Australia or abroad, respectively, for twelve months or more together with the departure of overseas visitors and the return of Australian residents who had stayed, in Australia or abroad, for twelve months or more. All other travellers, i.e. those whose intended or actual stay is less than twelve months, are classified as *short-term*. *Net movement* is the excess of arrivals over departures.

TABLE 15. AGE DISTRIBUTION FOR ASSUMED ANNUAL NET MIGRATION GAIN, AUSTRALIA

Age group	Permanent Arrivals			Permanent Departures			Net		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
0 - 4	5,600	5,280	10,880	2,010	1,890	3,900	3,590	3,390	6,980
5 - 9	4,160	3,840	8,000	1,470	1,440	2,910	2,690	2,400	5,090
10 - 14	3,120	2,960	6,080	1,230	1,200	2,430	1,890	1,760	3,650
15 - 19	2,720	3,360	6,080	780	870	1,650	1,940	2,490	4,430
20 - 24	5,600	6,480	12,080	1,440	1,800	3,240	4,160	4,680	8,840
25 - 29	5,840	5,760	11,600	2,130	2,160	4,290	3,710	3,600	7,310
30 - 34	3,840	3,680	7,520	1,620	1,440	3,060	2,220	2,240	4,460
35 - 39	2,720	2,320	5,040	1,230	1,020	2,250	1,490	1,300	2,790
40 - 44	1,840	1,440	3,280	870	690	1,560	970	750	1,720
45 - 49	1,040	1,040	2,080	660	510	1,170	380	530	910
50 - 54	640	960	1,600	450	450	900	190	510	700
55 - 59	480	800	1,280	300	360	660	180	440	620
60 - 64	560	1,040	1,600	270	360	630	290	680	970
65 - 69	640	800	1,440	300	330	630	340	470	810
70 - 74	320	480	800	180	210	390	140	270	410
75 and over	240	400	640	120	210	330	120	190	310
All ages	39,360	40,640	80,000	15,060 <sup>1</sup>	14,940	30,000	24,300	25,700	50,000

NOTE. The above table is obtained by applying the age distribution of permanent arrivals and departures in the 5 years 1972 to 1976 to an assumed level of 80,000 arrivals and 30,000 departures. For the projections, single-year age values were calculated by an interpolation process.