

AUSTRALIAN BUREAU OF STATISTICS Canberra

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POPULATION AND VITAL STATISTICS (PRELIMINARY) : SEPTEMBER QUARTER 1978

INQUIRIES

If you want to know more about these statistics ring Mr Jordan Starkey on Canberra 526400 or our State Office, or write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616

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MAIN FEATURES

- The population of Australia is estimated at 14,287,000 at 30 September 1978. This is an increase of 38,500 during the quarter ended September 1978 compared with 39,400 for the same period of 1977.
- Net migration gain during the September quarter 1978 was 12,830 compared with 12,460 in the same period of the previous year.
- Natural increase (the excess of births over deaths) fell from 26,960 in the September quarter 1977 to 25,630 in the quarter ended September 1978. Births decreased from 58,070 to 56,520 and deaths from 31,120 to 30,900.

EXPLANATORY NOTES

Introduction

This publication contains population estimates for September 1978 and earlier periods. Population changes, births, deaths, natural increase and net migration for Australia and the States and Territories are shown, as well as Australian estimates of marriages and divorces.

- The bulletin is issued in advance of a more detailed quarterly bulletin, *Vital and Population Statistics* (3212.0). For other ABS publications concerned with population and vital statistics see *Catalogue of Publications* (1101.0).

Population estimates

- The population statistics in Table 1 for 30 June 1976 are the census results adjusted for under-enumeration. (The methods of estimating under-enumeration are outlined in a census bulletin, *Population of States and Territories Adjusted for Under-enumeration* (2409.0), issued in March 1977.) Estimates for later dates are derived from these by the addition of natural increase and net migration gain, defined to exclude short-term overseas movement. (Short-term refers to visits to or absences from Australia of less than a year). For the States and Territories, estimated interstate movements involving a change of residence are also included. Thus, both for Australia and for the States and Territories, the population movement from 30 June 1976 aims to measure changes in the resident population. The estimates for dates prior to June 1976 are consistent with those for subsequent dates.

Temporary population movements

- Holiday, business and other similar short-term

movements are not taken into account in the quarterly calculations. However, such movements do affect the estimates insofar as people who were on holiday or other short-term travel at the time of the 1976 census are counted in the population of the State or Territory where they spent census night, or, if overseas, are excluded from the Census and all intercensal and postcensal estimates.

Mean population

- The mean population estimates shown in Table 2 are calculated for twelve month periods to provide an average basis for calculation of annual rates requiring allowance for the continuous change in population figures. The mean population has been calculated by the formula

$$\text{Mean population} = \frac{a+4b+2c+4d+e}{12}$$

where a, b, c, d and e respectively are the populations at the end of the quarter immediately preceding the year and at the end of the four succeeding quarters, i.e. in the case of a calendar year 31 December of the preceding year, and 31 March, 30 June, 30 September and 31 December of the year under consideration.

Divorces granted

- The Family Law Act 1975 came into effect during 1976. Figures of the number of decrees made absolute in 1976 and 1977 show a marked increase over previous years. Caution should be used in interpreting these figures as part of the increase may be due to deferment of applications for divorces pending the introduction of the new legislation.

Revision

- Estimates are designated 'preliminary' (p) where they are subject to amendment when detailed tabulations are compiled. The population estimates, whether or not they are designated 'preliminary' (p), are subject to revision when the results of the next census become available. In due course, figures are published in greater detail, such as populations by age and sex. Users requiring further detail should seek information from the contacts indicated at the front of this bulletin.

Symbols and other usages

- r Figure or series revised since previous issue
- p preliminary - figure or series subject to revision

Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

R. J. CAMERON
Australian Statistician

TABLE 1. SUMMARY: VITAL AND POPULATION STATISTICS, AUSTRALIA

Period	Marriages registered	Divorces granted	Live births registered	Deaths registered	Natural increase (a)	Net migration gain (b)	Population -	
							Increase (c) ('000)	At end of period ('000)
Year ended 30 June -								
1972	116,224	13,874	271,960	110,191	161,769	75,672	239.8	13,177.0
1973	111,992	16,781	255,848	111,336	144,512	56,562	203.4	13,380.4
1974	113,115	15,783	243,658	110,179	133,479	82,926	218.7	13,599.1
1975	107,056	20,353	239,794	114,501	125,293	44,673	172.3	13,771.4
1976	103,919	38,792	231,135	110,610	120,525	21,231	144.1	(e)13,915.5
1977	111,690	(d)	226,954	111,490	115,464	43,138	158.6	14,074.1
1978 t	p102,235	(d)	226,364	108,057	118,307	56,137	174.4	14,248.6
Quarter ended -								
1976 -								
December	30,996	19,714	55,118	26,208	28,910	15,815	44.7	13,991.2
1977 -								
March	29,914	(d)	57,012	25,355	31,657	13,167	44.8	14,036.0
June	26,861	(d)	57,638	26,504	31,134	6,924	38.1	14,074.1
September	20,372	(d)	58,075	31,118	26,957	12,459	39.4	14,113.5
December	27,771	(d)	53,566	25,813	27,753	22,228	50.0	14,163.5
1978 -								
March	p27,934	(d)	54,960	r23,944	r31,016	13,788	44.8	14,208.3
June	pr26,158	(d)	r59,763	r27,182	r32,581	7,662	40.2	r14,248.6
September p	21,001	(d)	56,525	30,898	25,627	12,827	38.5	14,287.0

(a) Excess of live births registered over deaths registered. (b) Excludes short-term movement. Net migration gain is defined as the excess of overseas arrivals over overseas departures classified as permanent and long-term movement. (Long-term includes visits to, and absences from, Australia lasting one year or longer.) (c) Increase consists of natural increase, net migration gain and an adjustment to balance recorded births and deaths with the June 1976 estimates of 0.4 year olds. (d) Because of revisions of the processing system necessitated by the introduction of Family Law legislation in 1976, figures are not yet available for these periods. (e) Census results adjusted for under-enumeration.

TABLE 2: MEAN POPULATION (a)
('000)

Period	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
Calendar year -									
1972	4,747.4	3,577.3	1,933.4	1,202.2	1,070.7	392.4	96.4	157.4	13,177.2
1973	4,793.3	3,627.4	1,988.9	1,218.3	1,090.6	395.8	99.8	168.2	13,382.3
1974 (b)	4,841.3	3,676.5	2,044.0	1,235.6	1,117.7	399.6	104.6	178.9	13,598.2
1975	4,885.3	3,718.6	2,084.7	1,252.8	1,146.9	404.5	90.3	191.0	13,774.1
1976	4,913.9	3,747.5	2,110.7	1,261.9	1,170.3	407.5	101.7	203.2	13,916.8
1977	4,956.6	3,782.0	2,137.0	1,276.7	1,197.0	410.6	106.4	208.8	14,075.1
Financial year -									
1971-72	4,717.8	3,549.2	1,906.5	1,194.7	1,058.2	391.6	94.4	151.5	13,063.9
1972-73	4,771.4	3,603.4	1,961.2	1,210.0	1,080.4	394.0	98.1	162.9	13,281.2
1973-74	4,816.4	3,651.4	2,017.3	1,226.7	1,103.4	397.3	102.1	173.6	13,488.2
1974-75 (b)	4,865.9	3,700.3	2,066.3	1,245.1	1,133.1	402.1	98.5	184.4	13,695.7
1975-76	4,898.2	3,732.6	2,098.6	1,256.5	1,158.2	406.2	97.8	198.3	13,846.2
1976-77	4,933.5	3,764.4	2,122.8	1,268.8	1,183.3	409.1	103.8	206.1	13,991.8
1977-78	r4,981.4	3,800.0	2,152.8	1,283.3	r1,210.5	412.1	109.5	212.0	14,161.4

(a) See paragraph 5 of Explanatory Notes. (b) Adjusted to allow for the effect of cyclone "Tracy" on the Northern Territory population.

TABLE 3. ESTIMATED POPULATION (a)
(^{'000})

Date	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
30 June -									
1972	4,747.0	3,577.4	1,932.5	1,202.4	1,070.9	392.2	96.6	158.0	13,177.0
1973	4,793.4	3,628.8	1,987.3	1,217.9	1,089.8	395.7	99.7	168.1	13,380.4
1974	4,839.4	3,676.8	2,046.1	1,236.2	1,117.4	399.3	104.4	179.6	13,599.1
1975	4,884.5	3,719.1	2,084.0	1,252.1	1,146.7	404.7	(b)89.4	190.9	13,771.4
1976	4,914.3	3,746.0	2,111.7	1,261.6	1,169.8	407.4	101.4	203.3	13,915.5
1977	4,956.7	3,782.3	2,136.8	1,276.8	1,197.1	410.6	105.5	208.2	14,074.1
1978	5,011.8	3,818.4	2,166.7	1,287.6	1,222.3	413.7	112.5	215.6	14,248.6
End of									
1976 -									
December	4,933.0	3,764.9	2,121.6	1,268.8	1,183.7	409.3	103.9	206.2	13,991.2
1977 -									
March	4,945.9	3,774.3	2,130.0	1,273.2	1,190.2	410.0	104.9	207.6	14,036.0
June	4,956.7	3,782.3	2,136.8	1,276.8	1,197.1	410.6	105.5	208.2	14,074.1
September	4,967.6	3,789.3	2,143.5	1,280.3	1,203.7	411.1	108.1	210.0	14,113.5
December	4,979.3	3,799.4	2,155.1	1,283.8	1,211.1	412.1	110.0	212.7	14,163.5
1978 -									
March	4,994.9	3,810.3	2,161.5	1,286.7	1,217.3	413.0	111.0	213.8	14,208.3
June	5,011.8	3,818.4	2,166.7	1,287.6	1,222.3	413.7	112.5	215.6	14,248.6
September p	5,028.3	3,825.8	2,171.6	1,289.0	1,227.3	414.4	113.4	217.2	14,287.0

(a) All estimates include adjustments for Census under-enumeration. (b) Decrease due to the effect of cyclone "Tracy".

TABLE 4. NET MIGRATION GAIN (a)

Period	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
Year ended 30 June -									
1976	-6,348	-3,151	-377	-122	10,062	-45	11,618	9,594	21,231
1977	6,480	6,662	7,107	5,773	14,217	-276	2,014	1,161	43,138
1978 r	17,241	5,780	11,245	1,556	11,996	-342	5,002	3,659	56,137
Quarter ended -									
1976 -									
December	3,562	3,056	1,617	1,995	4,405	240	299	641	15,815
1977 -									
March	2,246	1,568	3,321	1,871	3,454	-146	463	390	13,167
June	983	126	1,844	1,009	3,372	-328	233	-315	6,924
September	2,848	-121	2,504	1,394	3,315	-280	2,016	783	12,459
December	2,617	2,954	7,352	1,308	4,512	101	1,588	1,796	22,228
1978 -									
March r	6,456	2,448	1,034	372	2,940	-127	515	150	13,788
June r	5,320	499	355	-1,518	1,229	-36	883	930	7,662
September p	8,394	688	1,160	-376	2,067	-123	304	713	12,827

(a) Estimated net overseas and interstate migration. Net overseas migration gain excludes short-term (less than one year) movement. Net interstate migration gain refers to changes of residence and is based on records of interstate transfers under family allowance and electoral roll procedures, and other information. Minus sign (-) denotes a decrease.

TABLE 5. BIRTHS, DEATHS AND NATURAL INCREASE

Period	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
LIVE BIRTHS REGISTERED									
Year ended 30 June -									
1976	80,403	61,551	35,713	19,508	20,464	6,786	2,248	4,462	231,135
1977	77,955	59,673	35,036	19,185	20,950	6,712	2,858	4,585	226,954
1978	77,845	59,551	35,021	19,011	r21,043	6,706	2,591	4,596	r226,364
Quarter ended -									
1976 -									
December	18,391	14,610	8,371	4,942	5,224	1,627	848	1,105	55,118
1977 -									
March	20,200	14,842	8,932	4,613	4,855	1,706	695	1,169	57,012
June	19,617	15,171	9,000	4,996	5,394	1,687	626	1,147	57,638
September	20,065	15,196	8,909	4,958	5,351	1,688	717	1,191	58,075
December	18,114	14,309	8,094	4,693	5,051	1,654	520	1,131	53,566
1978 -									
March	r18,057	14,983	8,999	4,565	4,917	1,763	601	1,075	r54,960
June	r21,609	15,063	9,019	4,795	r5,724	1,601	753	1,199	r59,763
September	19,973	p14,766	p8,584	4,521	p5,050	1,769	768	1,094	p56,525
DEATHS REGISTERED									
Year ended 30 June -									
1976	41,243	30,100	16,542	10,074	7,895	3,428	565	763	110,610
1977	41,980	29,971	17,072	9,760	7,922	3,209	723	853	111,490
1978	r40,033	r29,247	r16,420	9,779	r7,814	r3,271	624	869	r108,057
Quarter ended -									
1976 -									
December	9,517	7,095	3,916	2,472	2,029	753	196	230	26,208
1977 -									
March	9,554	6,935	3,824	2,114	1,794	778	187	169	25,355
June	9,718	7,280	4,026	2,398	1,885	803	181	213	26,504
September	12,001	8,132	4,757	2,833	2,076	892	207	220	31,118
December	9,107	7,131	3,801	2,439	2,144	796	209	186	25,813
1978 -									
March	r8,872	6,585	r3,663	2,088	1,658	r762	120	196	r23,944
June	r10,053	r7,399	r4,199	2,419	r1,936	r821	88	267	r27,182
September	p11,860	p8,046	p4,762	2,698	p2,150	p955	188	239	p30,898
NATURAL INCREASE (a)									
Year ended 30 June -									
1976	39,160	31,451	19,171	9,434	12,569	3,358	1,683	3,699	120,525
1977	35,975	29,702	17,964	9,425	13,028	3,503	2,135	3,732	115,464
1978	37,812	r30,304	r18,601	9,232	r13,229	r3,435	1,967	3,727	r118,307
Quarter ended -									
1976 -									
December	8,874	7,515	4,455	2,470	3,195	874	652	875	28,910
1977 -									
March	10,646	7,907	5,108	2,499	3,061	928	508	1,000	31,657
June	9,899	7,891	4,974	2,598	3,509	884	445	934	31,134
September	8,064	7,064	4,152	2,125	3,275	796	510	971	26,957
December	9,007	7,178	4,293	2,254	2,907	858	311	945	27,753
1978 -									
March	r9,185	8,398	r5,336	2,477	3,259	r1,001	481	879	r31,016
June	r11,556	r7,664	r4,820	2,376	r3,788	r780	665	932	r32,581
September	p8,113	p6,720	p3,822	1,823	p2,900	p814	580	855	p25,627

(a) Excess of live births registered over deaths registered.