AUSTRALIAN BUREAU OF STATISTICS Canberra

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ASSISTED AND UNASSISTED MIGRANTS, AUSTRALIA, MARCH 1980

INQUIRIES

If you want to know more about these statistics ring Mr Eric Hubbard on Canberra (062) 526507 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

1,519,300 migrants (784,400 males, 734,900 females) within the scope of the survey arrived in Australia during the period 1961 to March 1980. See paragraph 4 for exclusions.

792,900 (52.2 per cent) were assisted migrants. Over three-quarters (78.8 per cent) of these were assisted by the Australian Government.

Assisted migrants comprised 72.6 per cent of those from the United Kingdom and Ireland, compared with 38.8 per cent of those from other countries.

NOTE. Survey estimates are subject to sampling variability, as explained in paragraph 8 below. Standard errors are shown on page 12.

EXPLANATORY NOTES

Introduction

In March 1980 a survey, based on the monthly population survey, was conducted throughout Australia in order to compare various characteristics of assisted migrants who arrived in Australia in 1961 or later with the same characteristics of other migrants and of persons born in Australia.

2. A similar survey, relating to assisted migrants who had arrived in Australia in 1947 or later, was conducted in August 1972. Results were contained in the previous issue of this publication.

3. The survey was based on a multi-stage area sample of private dwellings (about 30,000 houses, flats etc.) and non-private dwellings (hotels, motels, institutions, etc.) and covered about two-thirds of one per cent of the population of Australia. The information was obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers, the interviews being conducted during the two weeks beginning on Monday, 10 March 1980.

Scope

4. The survey included all persons aged 15 years and over at the time of the survey except:

(a) members of the permanent defence forces

(b) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations

(c) overseas visitors holidaying in Australia

(d) members of non-Australian defence forces (and their dependants) stationed in Australia

(e) boarding school students, some patients in hospitals and sanatoria or inmates of gaols, reformatories, etc.

Definitions

5. The labour force category to which a person is assigned depends on his *actual activity* (i.e. whether working, looking for work, etc.) during a specified week known as the *survey week*, which is the week immediately preceding that in which the interview takes place. Definitions of the principal labour force categories appearing in this publication are given in *The Labour Force, Australia* (6203.0).

6. For the purposes of the survey the following definitions were used:

(a) A *migrant* was a person included in the survey who was not born in Australia.

(b) An *assisted migrant* was a person whose passage to Australia was assisted by either the Australian Government, other government organisations, European refugee organisations, Asian refugee organisations, independent sponsorship bodies or some other organisation or person such as a relative or friend.

7. The number and characteristics of Australian-born persons and migrants shown in this publication do not agree exactly with those published in

The Labour Force, Australia (6203.0). This has occurred because, for a small number of persons, the additional information necessary for this survey could not be obtained, although the estimation procedures used took account of this to some extent.

Reliability of the estimates

8. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings they are subject to sampling variability; that is they may differ from the figures that would have been produced if all dwellings had been included in the survey. More information on this topic is given in the Technical Note, page 11.

Related publications

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

The Labour Force, Australia (6203.0) – *issued monthly*

Migrants in the Labour Force, 1972 to 1976 (6230.0)

10. Current publications produced by the ABS are listed in *Catalogue of Publications* (1101.0), which is available free of charge from any ABS office.

Symbols and other usages

* subject to sampling variability too high for most practical uses (See paragraph 8 above)

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

R. J. CAMERON
Australian Statistician

TABLE 1. NON-INSTITUTIONAL POPULATION (a) : BIRTHPLACE AND EMPLOYMENT STATUS, MARCH 1980

	Employed ('000)	Unemployed		Total labour force		Not in the labour force ('000)	Total ('000)
		Number ('000)	Per cent of labour force	Number ('000)	Per cent of population		
MALES							
Born in Australia	2,896.5	147.7	4.9	3,044.2	79.1	806.5	3,850.7
Born outside Australia –							
Arrived before 1961	447.4	13.4	2.9	460.7	72.9	171.1	631.8
Arrived in 1961 or later –							
Assisted	329.7	25.9	7.3	355.6	87.1	52.5	408.1
Unassisted	297.5	24.5	7.6	322.0	85.6	54.3	376.3
Total	*627.2*	*50.4*	*7.4*	*677.6*	*86.4*	*106.9*	*784.4*
Total born outside Australia	*1,074.5*	*63.8*	*5.6*	*1,138.3*	*80.4*	*278.0*	*1,416.3*
Total	**3,971.0**	**211.5**	**5.1**	**4,182.5**	**79.4**	**1,084.4**	**5,266.9**
MARRIED WOMEN							
Born in Australia	991.1	52.1	5.0	1,043.2	41.3	1,484.8	2,527.9
Born outside Australia –							
Arrived before 1961	153.6	7.3	4.5	160.9	40.2	239.6	400.5
Arrived in 1961 or later –							
Assisted	148.6	12.6	7.8	161.2	57.2	120.4	281.6
Unassisted	113.9	11.1	8.9	125.0	51.4	118.2	243.2
Total	*262.5*	*23.7*	*8.3*	*286.3*	*54.5*	*238.6*	*524.8*
Total born outside Australia	*416.1*	*31.0*	*6.9*	*447.2*	*48.3*	*478.1*	*925.3*
Total	**1,407.2**	**83.1**	**5.6**	**1,490.3**	**43.2**	**1,962.9**	**3,453.3**
OTHER FEMALES (b)							
Born in Australia	726.2	97.0	11.8	823.1	52.4	747.8	1,571.0
Born outside Australia –							
Arrived before 1961	36.8	*	*	39.4	28.9	97.0	136.3
Arrived in 1961 or later –							
Assisted	46.4	10.7	18.8	57.2	55.4	46.0	103.2
Unassisted	55.4	7.6	12.0	63.0	58.9	44.0	106.9
Total	*101.9*	*18.3*	*15.2*	*120.1*	*57.2*	*89.9*	*210.1*
Total born outside Australia	*138.7*	*20.8*	*13.1*	*159.5*	*46.0*	*186.9*	*346.4*
Total	**864.9**	**117.8**	**12.0**	**982.7**	**51.2**	**934.7**	**1,917.4**
ALL FEMALES							
Born in Australia	1,717.3	149.0	8.0	1,866.3	45.5	2,232.6	4,098.9
Born outside Australia –							
Arrived before 1961	190.4	9.9	4.9	200.3	37.3	336.5	536.8
Arrived in 1961 or later –							
Assisted	195.0	23.4	10.7	218.4	56.8	166.4	384.8
Unassisted	169.3	18.7	9.9	188.0	53.7	162.1	350.1
Total	*364.4*	*42.0*	*10.3*	*406.4*	*55.3*	*328.5*	*734.9*
Total born outside Australia	*554.8*	*51.9*	*8.6*	*606.7*	*47.7*	*665.1*	*1,271.7*
Total	**2,272.1**	**200.9**	**8.1**	**2,473.0**	**46.0**	**2,897.7**	**5,370.6**
PERSONS							
Born in Australia	4,613.8	296.7	6.0	4,910.5	61.8	3,039.0	7,949.6
Born outside Australia –							
Arrived before 1961	637.8	23.2	3.5	661.0	56.6	507.6	1,168.7
Arrived in 1961 or later –							
Assisted	524.7	49.2	8.6	574.0	72.4	218.9	792.9
Unassisted	466.8	43.2	8.5	510.0	70.2	216.5	726.5
Total	*991.5*	*92.4*	*8.5*	*1,084.0*	*71.3*	*435.4*	*1,519.3*
Total born outside Australia	*1,629.4*	*115.7*	*6.6*	*1,745.0*	*64.9*	*943.0*	*2,688.0*
Total	**6,243.1**	**412.4**	**6.2**	**6,655.5**	**62.6**	**3,982.1**	**10,637.6**

(a) Civilians aged 15 years and over. See page 1, paragraph 4. (b) Never married, widowed and divorced.

TABLE 2. ASSISTED AND UNASSISTED MALE MIGRANTS WHO ARRIVED IN AUSTRALIA IN 1961 OR LATER : BIRTHPLACE AND PERIOD OF ARRIVAL, MARCH 1980

Birthplace and year of arrival	Assisted: By the Australian Government ('000)	Assisted: By other organisations or persons ('000)	Assisted: Total ('000)	Assisted: Proportion of total migrants (per cent)	Unassisted ('000)	Total migrants ('000)
U.K. and Ireland	210.7	19.6	230.3	72.9	85.8	316.0
Arrived 1961 to 1970	159.4	11.2	170.6	81.6	38.4	209.0
1971 to 1975	41.6	5.7	47.2	62.7	28.1	75.3
1976 to 1980	9.7	*	12.4	39.1	19.3	31.7
Italy (a)	6.3	5.6	11.9	22.1	42.0	53.8
Arrived 1961 to 1970	*	4.8	9.2	19.2	38.6	47.8
Greece (a)	9.2	11.3	20.5	42.6	27.6	48.1
Arrived 1961 to 1970	7.5	10.0	17.5	41.3	24.9	42.4
Yugoslavia (b)	19.9	9.1	29.0	55.8	22.9	51.9
Arrived 1961 to 1970	13.7	6.8	20.5	57.4	15.2	35.8
1971 to 1975	6.0	*	7.8	55.5	6.2	14.0
New Zealand	*	*	*	*	51.0	54.0
Arrived 1961 to 1970	*	*	*	*	16.2	16.8
1971 to 1975	*	*	*	*	12.9	13.7
1976 to 1980	*	*	*	*	22.0	23.5
South East Asia	10.6	9.0	19.6	43.8	25.2	44.8
Arrived 1961 to 1975	*	*	4.9	27.6	12.9	17.8
1976 to 1980	8.8	6.0	14.7	54.5	12.3	27.1
Other countries	66.2	27.7	93.9	43.5	121.9	215.7
Arrived 1961 to 1970	37.8	14.3	52.0	47.8	56.9	108.9
1971 to 1975	19.3	5.3	24.6	39.6	37.6	62.2
1976 to 1980	9.2	8.1	17.2	38.6	27.4	44.6
Total	**323.6**	**84.5**	**408.1**	**52.0**	**376.3**	**784.4**
Arrived 1961 to 1970	**224.4**	**49.2**	**273.5**	**58.2**	**196.5**	**470.0**
1971 to 1975	**70.7**	**16.2**	**86.9**	**47.8**	**94.9**	**181.8**
1976 to 1980	**28.6**	**19.1**	**47.7**	**36.0**	**84.9**	**132.6**

(a) Includes migrants who arrived in the period 1971 to 1980. (b) Includes migrants who arrived after 1975.

TABLE 3. ASSISTED AND UNASSISTED FEMALE MIGRANTS WHO ARRIVED IN AUSTRALIA IN 1961 OR LATER : BIRTHPLACE AND PERIOD OF ARRIVAL, MARCH 1980

Birthplace and year of arrival	Assisted: By the Australian Government ('000)	Assisted: By other organisations or persons ('000)	Assisted: Total ('000)	Assisted: Proportion of total migrants (per cent)	Unassisted ('000)	Total migrants ('000)
U.K. and Ireland	189.3	17.6	206.9	72.4	79.1	286.0
Arrived 1961 to 1970	143.3	12.0	155.3	81.6	35.0	190.3
1971 to 1975	38.4	*	42.4	64.1	23.7	66.1
1976 to 1980	7.6	*	9.2	31.3	20.3	29.6
Italy (a)	7.7	5.5	13.2	25.7	38.1	51.2
Arrived 1961 to 1970	5.9	5.0	10.8	24.1	34.1	45.0
Greece (a)	13.1	12.8	25.9	51.8	24.2	50.1
Arrived 1961 to 1970	10.3	10.3	20.6	51.1	19.7	40.3
Yugoslavia (b)	20.9	9.1	30.0	58.7	21.1	51.1
Arrived 1961 to 1970	13.2	6.1	19.3	61.2	12.2	31.5
1971 to 1975	7.5	*	10.3	60.3	6.8	17.1
New Zealand	*	*	*	*	37.7	39.4
Arrived 1961 to 1970	*	*	*	*	11.3	11.5
1971 to 1975	*	*	*	*	6.7	7.3
1976 to 1980	*	*	*	*	19.7	20.7
South East Asia	10.4	5.6	16.1	31.7	34.6	50.7
Arrived 1961 to 1975	*	*	*	*	18.8	23.2
1976 to 1980	8.8	*	11.6	42.4	15.8	27.4
Other countries	59.3	31.7	91.0	44.1	115.4	206.4
Arrived 1961 to 1970	35.2	16.4	51.6	49.9	51.8	103.4
1971 to 1975	17.6	6.0	23.6	40.2	35.1	58.7
1976 to 1980	6.4	9.3	15.8	35.7	28.5	44.3
Total	**301.0**	**83.8**	**384.8**	**52.4**	**350.1**	**734.9**
Arrived 1961 to 1970	**209.0**	**51.3**	**260.3**	**60.1**	**173.0**	**433.3**
1971 to 1975	**68.7**	**17.0**	**85.7**	**49.4**	**87.7**	**173.4**
1976 to 1980	**23.3**	**15.5**	**38.8**	**30.2**	**89.5**	**128.2**

(a) Includes migrants who arrived in the period 1971 to 1980. (b) Includes migrants who arrived after 1975.

TABLE 4. ASSISTED AND UNASSISTED MIGRANTS WHO ARRIVED IN AUSTRALIA IN 1961 OR LATER: BIRTHPLACE AND PERIOD OF ARRIVAL, MARCH 1980

Birthplace and year of arrival	Assisted: By the Australian Government ('000)	Assisted: By other organisations or persons ('000)	Assisted: Total ('000)	Proportion of total migrants (per cent)	Unassisted ('000)	Total migrants ('000)
U.K. and Ireland	400.0	37.2	437.2	72.6	164.9	602.0
Arrived 1961 to 1970	302.7	23.2	325.9	81.6	73.4	399.3
1971 to 1975	80.0	9.6	89.6	63.4	51.8	141.5
1976 to 1980	17.3	*	21.7	35.3	39.6	61.3
Italy (a)	14.0	11.1	25.1	23.9	80.0	105.1
Arrived 1961 to 1970	10.3	9.7	20.0	21.6	72.8	92.8
Greece (a)	22.3	24.1	46.4	47.3	51.8	98.2
Arrived 1961 to 1970	17.7	20.3	38.1	46.1	44.6	82.6
Yugoslavia (b)	40.8	18.1	59.0	57.3	44.0	103.0
Arrived 1961 to 1970	26.9	12.9	39.8	59.2	27.4	67.2
1971 to 1975	13.5	4.5	18.1	58.2	13.0	31.1
New Zealand	*	*	4.7	5.0	88.7	93.4
Arrived 1961 to 1970	*	*	*	*	27.5	28.2
1971 to 1975	*	*	*	*	19.6	21.0
1976 to 1980	*	*	*	*	41.7	44.2
South East Asia	21.0	14.7	35.7	37.4	59.8	95.5
Arrived 1961 to 1975	*	5.9	9.3	22.8	31.7	41.0
1976 to 1980	17.5	8.8	26.4	48.4	28.1	54.5
Other countries	125.5	59.4	184.8	43.8	237.3	422.1
Arrived 1961 to 1970	72.9	30.6	103.6	48.8	108.7	212.3
1971 to 1975	36.9	11.3	48.2	39.9	72.7	120.9
1976 to 1980	15.6	17.4	33.0	37.2	55.9	88.9
Total	**624.6**	**168.3**	**792.9**	**52.2**	**726.5**	**1,519.3**
Arrived 1961 to 1970	**433.3**	**100.5**	**533.8**	**59.1**	**369.5**	**903.3**
1971 to 1975	**139.4**	**33.2**	**172.6**	**48.6**	**182.6**	**355.2**
1976 to 1980	**51.8**	**34.6**	**86.5**	**33.1**	**174.4**	**260.8**

(a) Includes migrants who arrived in the period 1971 to 1980. (b) Includes migrants who arrived after 1975.

TABLE 5. ASSISTED AND UNASSISTED MALE MIGRANTS WHO ARRIVED IN AUSTRALIA IN 1961 OR LATER : BIRTHPLACE, PERIOD OF ARRIVAL AND AGE, MARCH 1980

Birthplace and year of arrival	Assisted: By the Australian Government ('000)	Assisted: By other organisations or persons ('000)	Assisted: Total ('000)	Proportion of total migrants (per cent)	Unassisted ('000)	Total migrants ('000)
AGED 15 TO 24 YEARS						
U.K. and Ireland	58.9	5.4	64.3	80.3	15.8	80.1
Italy	*	*	*	*	7.5	9.7
Greece	*	*	*	*	*	5.3
Yugoslavia	*	*	*	*	5.3	8.6
New Zealand	*	*	*	*	14.0	14.6
South East Asia	*	4.6	8.3	48.0	9.0	17.4
Other countries	12.9	6.6	19.5	38.5	31.1	50.6
Arrived 1961 to 1970	57.2	10.3	67.5	63.2	39.4	106.9
1971 to 1975	12.9	*	17.2	50.5	16.9	34.0
1976 to 1980	9.4	6.7	16.1	35.5	29.2	45.4
Total	*79.5*	*21.3*	*100.8*	*54.1*	*85.5*	*186.3*
AGED 25 TO 54 YEARS						
U.K. and Ireland	129.5	11.9	141.3	71.6	56.0	197.3
Italy	5.6	*	8.3	21.0	31.1	39.4
Greece	7.8	9.0	16.8	41.8	23.5	40.3
Yugoslavia	17.5	7.5	25.0	60.0	16.6	41.6
New Zealand	*	*	*	*	35.0	37.4
South East Asia	6.3	*	10.7	43.3	14.0	24.6
Other countries	49.3	17.4	66.7	45.3	80.6	147.3
Arrived 1961 to 1970	144.2	31.9	176.1	55.8	139.2	315.3
1971 to 1975	54.0	11.0	64.9	48.3	69.4	134.4
1976 to 1980	18.5	11.6	30.2	38.5	48.3	78.4
Total	*216.7*	*54.5*	*271.2*	*51.4*	*256.9*	*528.1*
AGED 55 YEARS OR OVER						
U.K. and Ireland	22.3	*	24.6	63.7	14.0	38.6
Italy	*	*	*	*	*	4.7
Greece	*	*	*	*	*	*
Yugoslavia	*	*	*	*	*	*
New Zealand	*	*	*	*	*	*
South East Asia	*	*	*	*	*	*
Other countries	*	*	7.7	43.3	10.1	17.8
Arrived 1961 to 1970	23.1	6.9	30.0	62.6	17.9	47.9
1971 to 1975	*	*	4.7	35.4	8.6	13.4
1976 to 1980	*	*	*	*	7.4	8.8
Total	**27.5**	**8.6**	**36.1**	**51.5**	**34.0**	**70.1**

TABLE 6. ASSISTED AND UNASSISTED FEMALE MIGRANTS WHO ARRIVED IN AUSTRALIA IN 1961 OR LATER : BIRTHPLACE, PERIOD OF ARRIVAL AND AGE, MARCH 1980

Birthplace and year of arrival	Assisted: By the Australian Government ('000)	Assisted: By other organisations or persons ('000)	Assisted: Total ('000)	Proportion of total migrants (per cent)	Unassisted ('000)	Total migrants ('000)
AGED 15 TO 24 YEARS						
U.K. and Ireland	44.9	4.5	49.4	72.1	19.2	68.6
Italy	*	*	*	*	8.0	10.3
Greece	*	*	*	*	*	7.4
Yugoslavia	*	*	5.0	50.3	4.9	9.9
New Zealand	*	*	*	*	14.9	15.3
South East Asia	*	*	6.3	43.0	8.4	14.7
Other countries	12.9	5.8	18.6	38.2	30.1	48.7
Arrived 1961 to 1970	48.2	7.8	56.0	56.8	42.5	98.5
1971 to 1975	13.9	*	18.1	49.3	18.6	36.8
1976 to 1980	7.0	*	10.9	27.6	28.7	39.6
Total	*69.1*	*15.9*	*85.0*	*48.6*	*89.9*	*174.9*
AGED 25 TO 54 YEARS						
U.K. and Ireland	122.6	10.5	133.1	75.0	44.5	177.6
Italy	5.9	*	9.4	27.7	24.5	33.8
Greece	10.7	9.6	20.3	53.7	17.4	37.7
Yugoslavia	16.6	7.1	23.7	61.9	14.6	38.3
New Zealand	*	*	*	*	22.1	23.4
South East Asia	5.8	*	8.8	27.4	23.4	32.2
Other countries	42.0	20.4	62.4	46.9	70.6	133.0
Arrived 1961 to 1970	139.2	33.7	172.9	61.7	107.3	280.2
1971 to 1975	49.3	10.8	60.1	50.1	59.8	119.9
1976 to 1980	15.4	10.6	26.0	34.2	50.0	76.0
Total	*203.9*	*55.2*	*259.1*	*54.4*	*217.1*	*476.2*
AGED 55 YEARS OR OVER						
U.K. and Ireland	21.8	*	24.4	61.3	15.4	39.8
Italy	*	*	*	*	5.5	7.1
Greece	*	*	*	*	*	5.0
Yugoslavia	*	*	*	*	*	*
New Zealand	*	*	*	*	*	*
South East Asia	*	*	*	*	*	*
Other countries	*	5.5	9.9	40.2	14.7	24.6
Arrived 1961 to 1970	21.6	9.8	31.3	57.5	23.2	54.5
1971 to 1975	5.6	*	7.5	44.7	9.2	16.7
1976 to 1980	*	*	*	*	10.7	12.6
Total	**28.0**	**12.7**	**40.6**	**48.5**	**43.2**	**83.8**

TABLE 7. ASSISTED AND UNASSISTED MIGRANTS WHO ARRIVED IN AUSTRALIA IN 1961 OR LATER : BIRTHPLACE, PERIOD OF ARRIVAL AND AGE, MARCH 1980

Birthplace and year of arrival	Assisted: By the Australian Government ('000)	Assisted: By other organisations or persons ('000)	Assisted: Total ('000)	Proportion of total migrants (per cent)	Unassisted ('000)	Total migrants ('000)
AGED 15 TO 24 YEARS						
U.K. and Ireland	103.8	9.9	113.7	76.5	35.0	148.6
Italy	*	*	4.5	22.5	15.5	20.1
Greece	*	*	5.7	44.9	7.0	12.7
Yugoslavia	6.1	*	8.2	44.5	10.2	18.5
New Zealand	*	*	*	*	29.0	29.9
South East Asia	7.7	7.0	14.7	45.7	17.4	32.1
Other countries	25.7	12.4	38.1	38.4	61.2	99.3
Arrived 1961 to 1970	105.3	18.2	123.5	60.1	81.9	205.4
1971 to 1975	26.8	8.5	35.3	49.9	35.5	70.8
1976 to 1980	16.4	10.6	27.0	31.8	57.9	85.0
Total	*148.6*	*37.3*	*185.8*	*51.5*	*175.4*	*361.2*
AGED 25 TO 54 YEARS						
U.K. and Ireland	252.1	22.4	274.5	73.2	100.5	374.9
Italy	11.5	6.2	17.7	24.1	55.6	73.3
Greece	18.5	18.6	37.1	47.6	40.9	78.0
Yugoslavia	34.1	14.5	48.7	60.9	31.2	79.9
New Zealand	*	*	*	*	57.1	60.9
South East Asia	12.0	7.5	19.5	34.3	37.4	56.9
Other countries	91.3	37.8	129.1	46.1	151.2	280.4
Arrived 1961 to 1970	283.4	65.6	349.0	58.6	246.5	595.5
1971 to 1975	103.2	21.8	125.1	49.2	129.2	254.3
1976 to 1980	33.9	22.2	56.2	36.4	98.3	154.5
Total	*420.6*	*109.7*	*530.3*	*52.8*	*474.0*	*1,004.2*
AGED 55 YEARS OR OVER						
U.K. and Ireland	44.1	4.9	49.0	62.5	29.4	78.4
Italy	*	*	*	*	8.9	11.7
Greece	*	*	*	*	*	7.4
Yugoslavia	*	*	*	*	*	4.7
New Zealand	*	*	*	*	*	*
South East Asia	*	*	*	*	5.0	6.5
Other countries	8.4	9.2	17.6	41.5	24.8	42.5
Arrived 1961 to 1970	44.6	16.7	61.3	59.9	41.1	102.4
1971 to 1975	9.3	*	12.2	40.6	17.9	30.1
1976 to 1980	*	*	*	*	18.2	21.4
Total	**55.4**	**21.3**	**76.7**	**49.9**	**77.2**	**153.9**

TABLE 8. ASSISTED AND UNASSISTED MIGRANTS WHO ARRIVED IN AUSTRALIA IN 1961 OR LATER : EMPLOYMENT STATUS, STATES AND TERRITORIES, MARCH 1980

State or Territory	Employed: Full-time work	Employed: Part-time work	Employed: Total	Unemployed	Labour force	Not in labour force	Total	Unemployment rate	Participation rate
	– '000 –							– per cent –	
ASSISTED MIGRANTS									
N.S.W.	151.0	21.1	172.1	14.5	186.6	69.3	255.9	7.8	72.9
Vic.	135.4	18.8	154.2	13.1	167.3	65.3	232.6	7.8	71.9
Qld	34.4	7.3	41.7	6.3	48.0	19.3	67.3	13.1	71.3
S.A.	52.0	9.9	61.9	7.5	69.4	29.6	99.0	10.8	70.1
W.A.	59.5	13.7	73.3	6.5	79.8	27.2	107.0	8.2	74.6
Tas.	6.0	*	7.2	*	7.6	3.4	11.0	*	69.0
N.T.	4.6	*	5.1	*	5.4	*	6.4	*	83.4
A.C.T.	7.4	*	9.2	*	10.0	3.7	13.7	*	72.8
Australia	*450.4*	*74.3*	*524.7*	*49.2*	*574.0*	*218.9*	*792.9*	*8.6*	*72.4*
UNASSISTED MIGRANTS									
N.S.W.	170.1	21.1	191.2	14.4	205.6	81.9	287.5	7.0	71.5
Vic.	112.0	16.1	128.1	11.6	139.7	60.7	200.4	8.3	69.7
Qld	39.2	5.4	44.6	5.6	50.2	23.2	73.4	11.2	68.4
S.A.	24.4	5.5	29.9	3.1	33.1	16.3	49.4	9.5	67.0
W.A.	46.4	7.6	54.0	6.9	60.9	24.8	85.7	11.4	71.1
Tas.	5.0	*	5.6	*	6.4	2.7	9.0	*	70.5
N.T.	3.8	*	4.2	*	4.5	2.5	6.9	*	64.3
A.C.T.	7.1	2.1	9.2	*	9.7	4.4	14.1	*	68.8
Australia	*408.0*	*58.8*	*466.8*	*43.2*	*510.0*	*216.5*	*726.5*	*8.5*	*70.2*
TOTAL									
N.S.W.	321.1	42.2	363.3	28.8	392.2	151.2	543.4	7.4	72.2
Vic.	247.4	34.9	282.2	24.8	307.0	126.1	433.1	8.1	70.9
Qld	73.6	12.6	86.2	11.9	98.2	42.5	140.7	12.2	69.8
S.A.	76.4	15.4	91.9	10.6	102.5	45.8	148.3	10.4	69.1
W.A.	106.0	21.3	127.3	13.5	140.7	52.0	192.7	9.6	73.0
Tas.	11.1	1.8	12.8	*	13.9	6.1	20.0	*	69.7
N.T.	8.3	*	9.4	*	9.8	3.5	13.3	*	73.5
A.C.T.	14.5	3.9	18.4	*	19.7	8.1	27.8	*	70.8
Australia	**858.4**	**133.2**	**991.5**	**92.4**	**1,084.0**	**435.4**	**1,519.3**	**8.5**	**71.3**

TECHNICAL NOTE

Estimation procedure

The estimates are derived from the population survey by use of a complex ratio estimation procedure, which ensures that the estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself.

Reliability of the estimates

2. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure of the likely difference is the *relative standard error*, which is obtained by expressing the standard error as a percentage of the estimate.

3. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors for general application is given below. These figures will not give a precise measure of the standard error of a particular estimate since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics. However, they will provide an indication of the magnitude of the standard error. An example of the calculation and use of standard errors is as follows: the estimated number of assisted migrants who arrived in Australia in 1961 or later is 792,900 (Table 1). From the table below it can be calculated that the estimate has a standard error of about 8,300, and therefore there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall within the range 784,600 to 801,200 and about nineteen chances in twenty that it will fall within the range 776,300 to 809,500.

4. The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the numerator and the size of the denominator. For small percentages the relative standard error of the percentage is approximated by the relative standard error of the numerator, which may be obtained from the table below. For other percentages the relative standard error will be lower than that of the numerator.

5. As the standard errors in the table below show, *the smaller the estimate the higher is the relative standard error*. Very small estimates are thus subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, estimates less than the lowest levels shown in the table below have not been published. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

6. Published figures may also be used to estimate the difference between two survey estimates (of numbers or percentages). Such a figure is itself an estimate and is therefore subject to sampling error. The sampling error of the difference between two estimates depends on their standard errors and the relationship (correlation) between them. An approximate standard error (SE) of the difference between two estimates (x – y) may be calculated by the following formula:

$$SE\,(x-y) = \sqrt{[SE(x)]^2 + [SE(y)]^2}$$

While this formula will only be exact for differences between separate and uncorrelated characteristics or sub-populations it is expected to provide a good approximation for all differences likely to be of interest in this publication.

An example of the use of the above formula is as follows: The difference between the estimates of the number of male and female unassisted migrants who were unemployed is 5,800 (24,500 minus 18,700, see Table 1). The standard error of this estimate may be calculated as follows: from the table below, the standard errors of the two original estimates can be approximated as 2,100 and 1,900 respectively. Therefore the standard error of the difference (5,800) is:

$$\sqrt{(2{,}100)^2 + (1{,}900)^2}, \text{ or } 2{,}800$$

(rounded to the nearest 100). Thus there are about two chances in three that the difference that would have been obtained if all dwellings had been included in the survey is within the range 3,000 to 8,600 and about nineteen chances in twenty that it is between 200 and 11,400.

7. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

STANDARD ERRORS OF ESTIMATES (a)

Size of estimate	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia	
				– number –						Relative standard error (per cent)
1,500						300				
2,000						340	470	440		
2,500				510	510	380	510	480		
3,000				550	560	410	550	510		
3,500			740	590	590	430	590	540		
4,000			780	620	630	460	620	560		
4,500	1,000	1,000	820	650	660	480	650	590	970	21.6
5,000	1,100	1,100	860	680	690	500	680	610	1,000	20.0
6,000	1,200	1,200	930	730	750	530	740	650	1,100	18.0
10,000	1,500	1,400	1,200	900	920	640	910	750	1,400	14.0
20,000	2,000	1,900	1,500	1,200	1,200	810	1,200	910	2,000	10.0
50,000	3,000	2,700	2,200	1,600	1,700	1,100	1,700	1,100	2,900	5.8
100,000	3,900	3,500	2,800	2,100	2,100	1,300		1,300	3,900	3.9
200,000	5,000	4,400	3,600	2,600	2,600	1,500			5,100	2.6
300,000	5,800	5,000	4,100	2,900	2,900				6,000	2.0
500,000	6,900	5,800	4,800	3,300	3,300				7,200	1.4
1,000,000	8,500	7,000	5,900						9,100	0.9
2,000,000	10,000	8,400							11,000	0.6
5,000,000									15,000	0.3

(a) Estimates below the levels indicated have not been published. See paragraph 5, technical note.

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