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# **THE LABOUR FORCE**

# **AUSTRALIA**

## **APRIL 1980**

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**AUSTRALIAN BUREAU OF STATISTICS Canberra**



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# THE LABOUR FORCE, AUSTRALIA, APRIL 1980

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## 1. LABOUR FORCE ESTIMATES

### EXPLANATORY NOTES

#### Introduction

This section contains estimates of the civilian labour force derived from the population survey, which is now conducted monthly. Until February 1978, surveys were conducted in February, May, August and November each year.

2. A summary of the survey results is published in advance of this more detailed publication in *The Labour Force, Australia (Preliminary)* (6202.0). Preliminary unemployment estimates are also issued in advance of this publication in *Unemployment, Australia, Preliminary Estimates* (6201.0).

3. Although emphasis in the survey is placed on the regular collection of data on demographic and labour force characteristics of the population, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available free on request. A list of titles is given on pages 26 and 27.

#### The population survey

4. The survey is based on a multi-stage area sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.), and covers about two-thirds of one per cent of the population of Australia. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week). Because of operational problems arising from the Christmas and New Year holidays the December surveys commence a week earlier than usual (with most interviews being conducted during the second week) and the January surveys commence a week later than usual.

#### Scope

5. The survey includes all persons aged fifteen years and over 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, and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

#### Definitions

6. The labour force category to which a person is assigned depends on his *actual activity* (i.e. whether working, looking for work, etc.) during the survey week.

The following definitions, which conform closely to the international standard definitions specified by the ILO, relate only to those persons within the scope of the survey.

7. *Employed persons* comprise all those aged 15 years and over who, during the survey week :

- (a) worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (including employees, employers and self-employed persons); or
- (b) worked for 15 hours or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were not at work and were : on paid leave; on leave without pay for less than four weeks up to the end of the survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or
- (d) were employers or self-employed persons who had a job, business or farm, but were not at work.

8. The *employment/population ratio* for any group is the number of employed persons expressed as a percentage of the civilian population aged fifteen years and over in the same group.

9. *Unemployed persons* are those aged 15 years and over who were not employed during the survey week, and

- (a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of the survey week and :
  - (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the survey week); or
  - (ii) were waiting to start a new job within four weeks from the end of the survey week and would have started in the survey week if the job had been available then;

or (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.

10. *Unemployed persons looking for first job* are those who had never worked for two weeks or more in a full-time job. Prior to November 1977 it comprised persons who had never had a job.

11. The *unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

12. *Duration of unemployment* is the period from the time the person began looking for work or was laid off to the end of the survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration. *Average (mean) duration* is the duration obtained by dividing the aggregate number of weeks a group has been unemployed by the number of persons in that group. *Median duration* is the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other persons whose duration is below it. Medians are calculated from group data, linear interpolation being used within the group which contains the median.

13. The *labour force* comprises all persons who, during the survey week, were employed or unemployed, as defined in paragraphs 7 and 9.

14. The *labour force participation rate* for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group. Because it is not practicable to ascertain the birthplace of persons in institutions (who are classified as not in the labour force), labour force participation rates for persons classified by birthplace are calculated by using population estimates which exclude those in institutions.

15. *Full-time workers* are those who usually work 35 hours a week or more and others who, although usually part-time workers, worked 35 hours or more during the survey week. *Part-time workers* are those who usually work less than 35 hours a week and who did so during the survey week. When recording hours of work, fractions of an hour are disregarded.

16. *Hours of work.* The figures of aggregate hours and of average hours refer to actual hours worked during the survey week, not hours paid for. The figures may be affected by public holidays, leave, absenteeism; temporary absence from work due to sickness, injury, accident and industrial disputes; and stoppages of work due to bad weather, plant breakdown etc. When hours of work are recorded, fractions of an hour are disregarded and this results in slightly lower figures than would be the case if actual time worked was recorded. Persons stood down for the whole of the survey week without pay because of bad weather or plant breakdown at their place of employment are regarded as employed and therefore are included (working no hours) in the calculation of average hours worked. Persons stood down in the survey week for reasons other than bad

weather and plant breakdown and waiting to be called back to their job are regarded as unemployed and are therefore excluded from the calculation.

17. *Persons attending school* comprise those who, during the survey week, were enrolled full-time at secondary or high schools. Excluded are persons who were enrolled at universities, colleges of advanced education, technical colleges, other tertiary education institutions, and coaching and business schools. Persons attending school are classified as in the labour force if they were employed or unemployed as defined in paragraphs 7 and 9.

18. *Persons not in the labour force* are those who, during the survey week, were not in the categories 'employed' or 'unemployed'. This category includes persons who were keeping house (unpaid), attending an educational institution (school, university, etc.), retired, voluntarily inactive, permanently unable to work, inmates of institutions, trainee teachers, members of contemplative religious orders, and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation, provided they had not actively looked for work in the four weeks up to the end of the survey week, and

(a) in the survey week :

- (i) were without a job, business or farm; or
- (ii) had worked for less than one hour for pay, profit, commission or payment in kind; or
- (iii) had worked for less than 15 hours without pay in a family business or farm;

or (b) had been stood down without pay for four weeks or more up to the end of the survey week.

#### Occupational status

19. The February, May, August and November issues of this publication include a table showing estimates of employed persons, obtained from the labour force survey, classified by occupational status, ie whether they were employers, self-employed persons, wage and salary earners (employees), or unpaid family helpers (who worked 15 hours or more in the survey week).

20. The estimates of wage and salary earners differ from estimates based on information obtained from employers' payrolls and published in *Civilian Employees, Australia* (6213.0) because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability in the survey estimates and non-sampling error in both series also account for some differences. Other points to be kept in mind are as follows:

- (a) Employees in agriculture and services to agriculture, and those employed in private households, are excluded from the payroll-based estimates but included in the labour force survey estimates.

- (b) The payroll series relates to persons on payrolls for the last pay-period in the month whilst the labour force series generally refers to a period early in the month. (See paragraph 4.)
- (c) The current data used to derive the estimates for the payroll series are obtained mainly from payroll tax returns and returns from government bodies. The former are administrative records under the control of the various Commonwealth and State taxation authorities; hence the levels of exemption from tax and collection and other procedures may differ. Changes in any of these, particularly changes in the exemption limits, affect the continuity of the data source, and this in turn may affect the estimates.
- (d) Recorded employment in the payroll series accounts for about 85 per cent of employees in the industries covered, and the remaining 15 per cent is estimated.
- (e) The population benchmarks used in calculating the labour force estimates are necessarily preliminary and are generally revised after each population census. Similarly, the benchmarks for the payroll series, obtained from population censuses and other censuses and surveys, are subject to periodic revision.
- (f) In the labour force survey the information is generally obtained from only one occupant of each selected dwelling; hence some misreporting of occupational status is possible.
- (g) The labour force estimates generally show larger variations in employment in the short-term than do the payroll-based estimates, but appear to be more reliable in the longer-term. On the other hand the payroll estimates provide more comprehensive and reliable statistics of employees classified by industry.

#### Classification of industry and occupation

21. Industry is classified according to the *Australian Standard Industrial Classification* (ASIC) 1978 and occupation according to the *Classification and Classified List of Occupations, Revised June 1976*.

#### Population benchmarks

22. The population survey estimates are calculated in such a way as to conform to the independently estimated distribution of the population aged 15 years and over by age and sex. These independent estimates (benchmarks) are necessarily derived from incomplete information about population changes (deaths, internal and overseas migration) and can differ from estimates of the population subsequently published by the ABS. For estimates of the population and other demographic statistics reference should be made to *Australian Demographic Statistics Quarterly* (3101.0).

#### Revision of series

23. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and migration. Revisions are made, however, after each census and when population estimation bases are reviewed. Survey estimates back to August 1966 have been recalculated to conform to revised population estimates. The estimates take account of results of the 1966, 1971 and 1976 population censuses, including estimates of under-enumeration, and incorporate a revised method of measuring overseas migration gain (i.e. by excluding movements of less than one year's duration). For information concerning these population estimates for the period June 1971 to June 1977 see *Population and Vital Statistics : June Quarter 1977* (3212.0).

24. *The new sample and revised questionnaire.* Survey estimates for February 1978 and subsequent months have been obtained by using a new sample and revised questionnaire. The new sample was selected in order to reflect the changes in the distribution of the population shown by the 1976 Population Census results. The questionnaire, which had undergone little change since 1960, except for the inclusion in 1975 of additional questions on job-seeking, was revised to provide more accurate and more detailed information concerning the labour force.

25. Copies of both the current questionnaire and the one previously used, together with a description of the main features of the questionnaire, are contained in *Information Paper : Questionnaires used in the Labour Force Survey* (6232.0).

26. Estimates for the period August 1966 to November 1977 have been revised in order to provide a series for earlier periods as comparable as possible with the February 1978 and later estimates. For periods prior to August 1976, detailed revised estimates are available only for August of each year. For February, May and November only broad revised aggregates (as in Table 1) are available. Revised estimates have been published in *The Labour Force, Australia, 1978* (6204.0), which also contains information concerning the methods used in the revision.

#### Comparability of series

27. When comparing estimates for February 1978 and subsequent months with those for earlier periods, it should be noted that with the introduction of monthly surveys the interviews are now conducted during a two-week period, whereas formerly the period was four weeks. This change of timing may affect the level of the figures for any month, but particularly for months during which the employment status of the population may be changing rapidly.

28. Because of the revisions, the estimates in this publication are not comparable with those shown in issues before February 1978 or in the special publications entitled *The Labour Force* (6204.0), covering the period 1964 to 1977.

29. The survey periods for February in the years 1971, 1972, 1974 and 1976 were later than in other years, and as a consequence the estimates of the proportion of the population 15 years and over who attended school was correspondingly higher. In addition, in February 1974 the survey period in Queensland was delayed by a further week in order to avoid as far as possible the effects of the flood in the south-east area of the State.

30. Because of the effects of cyclone Tracy the population survey was not conducted in Darwin in February 1975. The estimates for this period therefore exclude Darwin.

31. From September 1979, industry estimates in labour force survey publications have been classified according to the 1978 version of the Australian Standard Industrial Classification (ASIC). The estimates are therefore not strictly comparable with those for periods prior to September 1979, which were classified according to the 1969 version of ASIC.

#### Reliability of the estimates

32. Since the estimates in this section 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. An indication of the likely differences is given in the technical note, page 24.

#### Differences between population census and population survey estimates

33. The results of the 1976 population census show that labour force figures derived from the census differ from estimates derived from the population surveys of May and August 1976.

34. The labour force definition used in the population census is similar to that used in the survey. (See paragraphs 6 to 18.) However, evidence from census post-enumeration surveys indicates that the personal interview approach, as used in the population survey, tends to identify a larger number of persons as being in the labour force than does the filling in of the questions on the census schedule by the householder. In addition, the post-enumeration survey following the 1976 census showed an under-enumeration of the population of 2.71 per cent. It has not been possible to adjust the published census labour force figures for any under-enumeration.

35. These considerations should be borne in mind if comparisons of the total labour force or of labour force participation rates are made between the 1976 census and the 1976 labour force survey estimates.

#### Seasonal adjustment

36. The move to the higher level of unemployment since 1974 appears to have been accompanied by shifts in the pattern of seasonal variation. For this reason the publication of seasonally adjusted figures of unemployment was suspended as from November 1977. The matter will be kept under review.

37. Seasonally adjusted quarterly estimates of employed persons, the labour force and labour force participation rates are published in the February, May, August and November issues. Information on seasonal adjustment methods, etc. is contained in *Seasonally Adjusted Indicators, 1979* (1308.0). The seasonally adjusted figures are revised annually. A table of the latest revised seasonally adjusted figures was published in the February 1980 issue of this publication. Calculation of seasonally adjusted monthly figures is not yet possible.

#### Additional tables

38. Labour force estimates for employed persons classified by industry and occupation and for seasonally adjusted series, are available only each quarter. Estimates relating to these characteristics are included in only some issues of this publication, as shown below.

##### *February, May, August and November –*

Average weekly hours worked : Industry and occupation

Employed persons : Occupational status of full-time and part-time workers

Employed married women : Industry and hours worked

Seasonally adjusted series.

The following estimates are available for February, May, August and November but are published only for the months shown.

##### *February –*

Employed persons –

Industry and marital status

Industry and birthplace

Occupation and marital status

Occupation and birthplace.

##### *May –*

Employed persons : Occupation – major and minor groups.

##### *August –*

Employed persons : Industry by occupation.

##### *November –*

Employed persons –

Industry by full-time and part-time status

Occupation by full-time and part-time status

Industry by age.

Other unpublished data from labour force surveys may be available on request.

#### Related publications

39. Users may also wish to refer to the following publications which are available on request :



*Unemployment, Australia (Preliminary Estimates)*  
(6201.0)

*The Labour Force, Australia (Preliminary)* (6202.0)

*The Labour Force, Australia, 1978* (6204.0)

*The Labour Force, New South Wales* (6201.1)

*The Labour Force, Victoria* (6201.2)

*The Labour Force, Queensland* (6201.3)

*The Labour Force, South Australia* (6201.4)

*Information Paper : Questionnaires used in the  
Labour Force Survey* (6232.0)

*Civilian Employees, Australia* (6213.0)

*Job Vacancies, Australia* (6231.0)

*Overtime, Australia* (6330.0)

*Publications listed on pages 26 and 27.*

40. 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

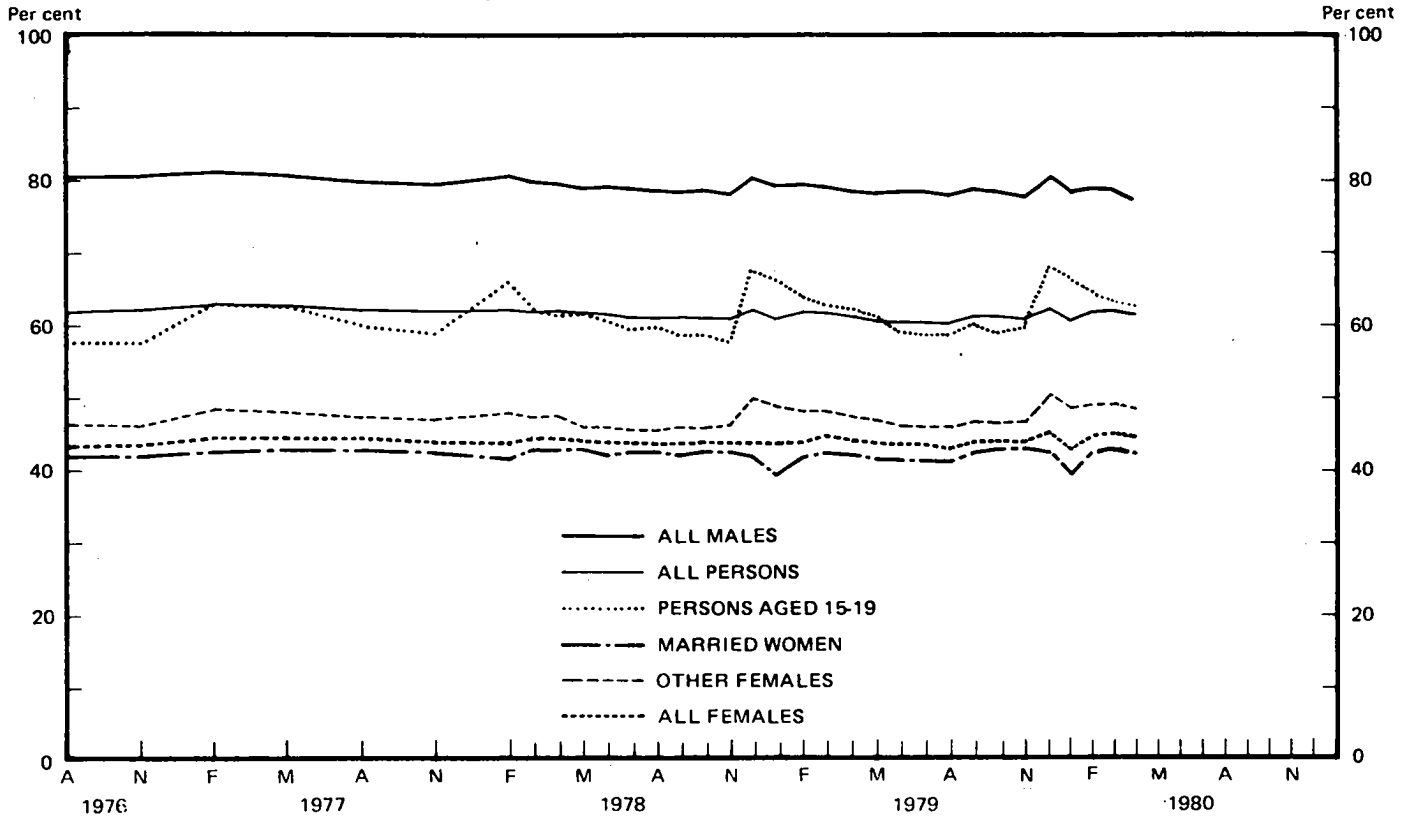
- \* subject to sampling variability too high for most practical uses. See paragraph 6, page 24.
- n.a. not available.
- .. not applicable.
- n.e.c. not elsewhere classified.

41. Figures have been rounded and discrepancies may occur between sums of the component items and totals.

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# LABOUR FORCE PARTICIPATION RATES

(THE LABOUR FORCE IN EACH GROUP AS A PERCENTAGE OF THE CIVILIAN POPULATION AGED 15 YEARS AND OVER IN THE SAME GROUP)



NOTE. From February 1978 the population survey has been conducted monthly. Previously, surveys were conducted in February, May, August and November each year.

# UNEMPLOYMENT RATES

(THE UNEMPLOYED IN EACH GROUP AS A PERCENTAGE OF THE CIVILIAN LABOUR FORCE IN THE SAME GROUP)

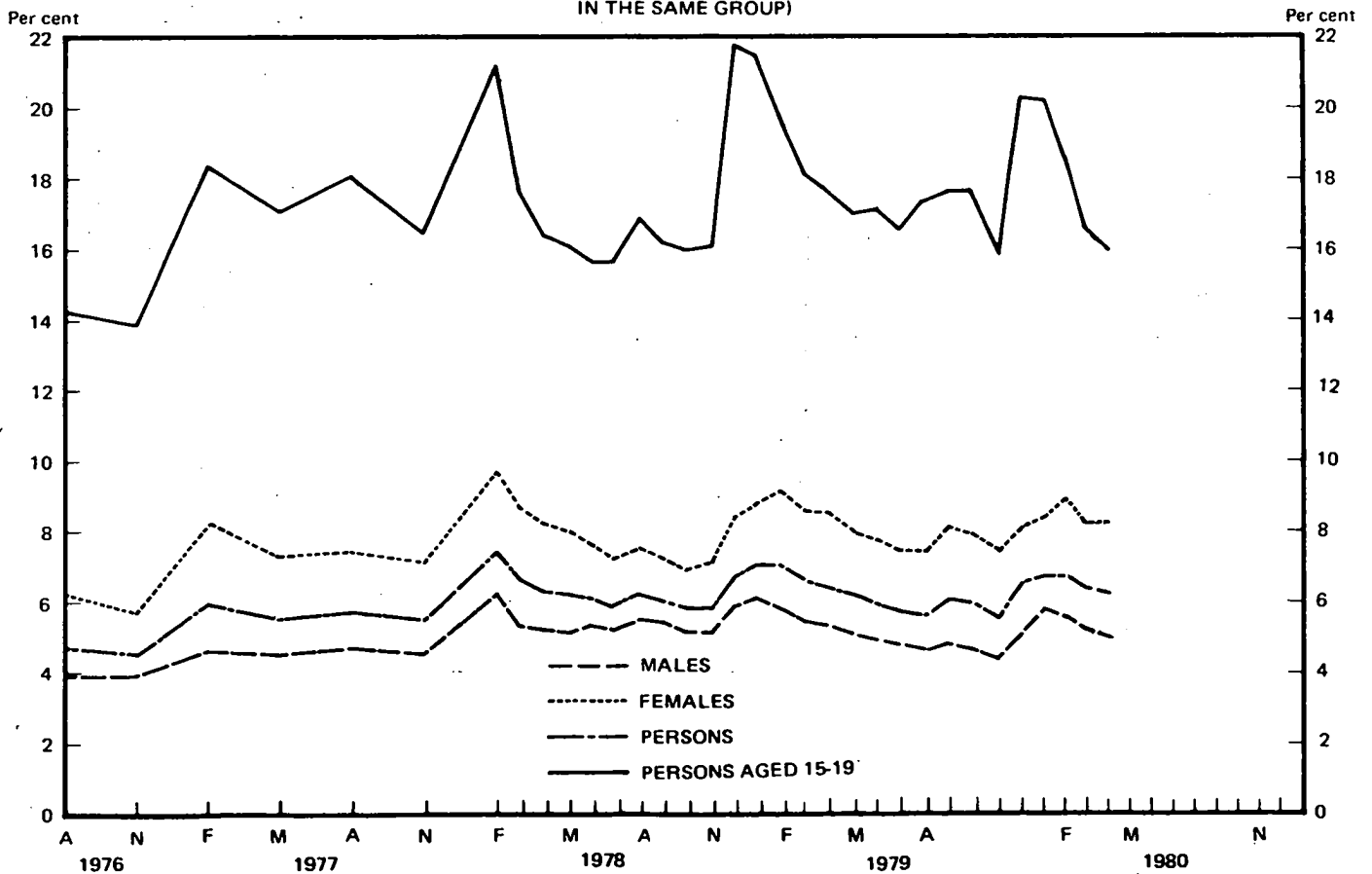


TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS (a)

TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER										
Month	Employed	Unemployed				Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work		Looking for part-time work	Total					
		Aged 15-19 years looking for first job	Total							
- '000 -					- per cent -					
MALES										
1979 -										
March	3,904.2	24.1	206.6	16.5	223.1	4,127.4	1,111.3	5,238.6	5.4	78.8
April	3,907.4	25.6	202.1	15.1	217.2	4,124.6	1,120.6	5,245.2	5.3	78.6
May	3,908.3	22.0	197.7	13.0	210.6	4,118.9	1,132.4	5,251.3	5.1	78.4
June	3,909.6	19.7	192.8	13.2	206.0	4,115.6	1,139.8	5,255.4	5.0	78.3
July	3,910.8	18.1	188.2	13.4	201.6	4,112.4	1,149.7	5,262.1	4.9	78.2
August	3,904.5	20.0	182.8	13.3	196.1	4,100.7	1,167.9	5,268.6	4.8	77.8
September	3,939.3	21.2	184.7	16.9	201.6	4,140.9	1,134.7	5,275.7	4.9	78.5
October	3,930.9	23.2	178.1	17.8	195.9	4,126.8	1,157.2	5,284.1	4.7	78.1
November	3,931.2	20.0	171.5	12.4	183.8	4,115.0	1,177.6	5,292.6	4.5	77.8
December	3,992.3	38.5	202.2	22.0	224.2	4,216.4	1,087.4	5,303.8	5.3	79.5
1980 -										
January	3,937.6	41.2	226.9	15.4	242.3	4,179.9	1,132.1	5,312.0	5.8	78.7
February	3,960.1	32.5	215.2	15.3	230.4	4,190.6	1,129.9	5,320.5	5.5	78.8
March	3,971.1	24.1	196.3	15.2	211.5	4,182.6	1,145.4	5,328.0	5.1	78.5
April	3,949.6	16.3	192.9	14.1	206.9	4,156.6	1,178.5	5,335.1	5.0	77.9
Standard error of -										
April 1980 estimates	13.9	1.8	5.1	1.7	5.2	14.1	9.6	..	0.1	0.3
March to April 1980 movement	9.7	2.1	4.3	1.8	4.4	9.8	7.2	..	0.1	0.2
MARRIED WOMEN										
1979 -										
March	1,364.7	*	48.2	36.6	84.8	1,449.5	2,002.7	3,452.1	5.8	42.0
April	1,358.5	*	45.4	38.1	83.5	1,442.0	2,007.9	3,449.9	5.8	41.8
May	1,356.3	*	40.0	32.2	72.2	1,428.5	2,035.9	3,464.4	5.1	41.2
June	1,362.6	*	38.3	34.7	73.0	1,435.6	2,009.4	3,445.0	5.1	41.7
July	1,368.2	*	41.4	33.6	75.0	1,443.2	2,004.3	3,447.5	5.2	41.9
August	1,347.2	*	41.7	31.9	73.6	1,420.8	2,020.8	3,441.6	5.2	41.3
September	1,374.8	*	46.8	37.4	84.3	1,459.1	1,990.2	3,449.3	5.8	42.3
October	1,392.7	*	45.1	39.0	84.1	1,476.8	1,973.1	3,450.0	5.7	42.8
November	1,408.5	*	41.8	34.7	76.5	1,485.0	1,980.7	3,465.7	5.1	42.8
December	1,392.6	*	36.8	31.1	67.9	1,460.5	2,011.1	3,471.5	4.6	42.1
1980 -										
January	1,318.2	*	38.1	25.3	63.4	1,381.6	2,102.7	3,484.3	4.6	39.7
February	1,370.7	*	48.2	36.4	84.6	1,455.3	2,006.5	3,461.9	5.8	42.0
March	1,402.3	*	46.1	36.6	82.7	1,484.9	1,971.8	3,456.7	5.6	43.0
April	1,392.1	*	43.2	32.7	75.9	1,467.9	1,997.5	3,465.4	5.2	42.4
Standard error of -										
April 1980 estimates	10.1	..	2.8	2.5	3.5	10.3	11.3	..	0.2	0.3
March to April 1980 movement	7.5	..	2.7	2.4	3.2	7.6	8.2	..	0.2	0.2

For footnote see page 10.

TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS (a) – continued

Month	Employed	Unemployed								
		Looking for full-time work		Looking for part-time work	Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Aged 15-19 years looking for first job	Total							
- '000 -										
- per cent -										
ALL FEMALES										
1979 -										
March	2,157.4	30.8	146.9	54.9	201.8	2,359.2	3,006.5	5,365.7	8.6	44.0
April	2,149.0	30.0	144.2	55.3	199.5	2,348.5	3,027.2	5,375.7	8.5	43.7
May	2,135.0	28.9	137.5	48.5	186.0	2,321.0	3,061.3	5,382.3	8.0	43.1
June	2,148.0	27.2	130.7	52.6	183.3	2,331.3	3,055.4	5,386.7	7.9	43.3
July	2,156.8	24.3	131.3	49.7	181.0	2,337.7	3,056.2	5,394.0	7.7	43.3
August	2,136.9	25.2	130.1	47.5	177.7	2,314.6	3,086.4	5,401.0	7.7	42.9
September	2,178.8	27.7	138.3	56.6	194.9	2,373.7	3,035.2	5,408.9	8.2	43.9
October	2,194.4	25.1	133.5	58.4	191.8	2,386.2	3,031.3	5,417.5	8.0	44.0
November	2,219.4	22.7	125.1	51.7	176.8	2,396.2	3,030.2	5,426.4	7.4	44.2
December	2,227.7	45.6	151.6	51.1	202.7	2,430.4	3,007.5	5,437.9	8.3	44.7
1980 -										
January	2,141.5	48.4	154.1	41.4	195.5	2,337.0	3,109.3	5,446.3	8.4	42.9
February	2,213.9	40.0	160.5	53.5	214.1	2,428.0	3,026.9	5,454.9	8.8	44.5
March	2,272.1	31.5	142.8	58.1	200.9	2,473.0	2,989.2	5,462.2	8.1	45.3
April	2,242.4	28.5	146.3	51.3	197.5	2,440.0	3,030.6	5,470.6	8.1	44.6
Standard error of -										
April 1980 estimates	11.7	2.3	4.5	3.0	5.1	12.0	12.8	..	0.2	0.2
March to April 1980 movement	8.5	2.3	3.9	2.9	4.3	8.7	9.1	..	0.2	0.2
PERSONS										
1979 -										
March	6,061.6	54.9	353.5	71.4	425.0	6,486.6	4,117.7	10,604.3	6.6	61.2
April	6,056.4	55.6	346.4	70.4	416.8	6,473.1	4,147.8	10,621.0	6.4	60.9
May	6,043.3	51.0	335.1	61.4	396.6	6,439.9	4,193.6	10,633.5	6.2	60.6
June	6,057.6	46.9	323.6	65.8	389.3	6,446.9	4,195.2	10,642.1	6.0	60.6
July	6,067.6	42.4	319.5	63.0	382.5	6,450.1	4,205.9	10,656.1	5.9	60.5
August	6,041.5	45.2	312.9	60.8	373.8	6,415.3	4,254.3	10,669.6	5.8	60.1
September	6,118.1	48.8	323.0	73.5	396.5	6,514.6	4,170.0	10,684.6	6.1	61.0
October	6,125.2	48.3	311.6	76.2	387.8	6,513.0	4,188.5	10,701.5	6.0	60.9
November	6,150.6	42.7	296.5	64.1	360.6	6,511.2	4,207.8	10,719.0	5.5	60.7
December	6,219.9	84.0	353.7	73.1	426.9	6,646.8	4,094.9	10,741.7	6.4	61.9
1980 -										
January	6,079.1	89.7	380.9	56.9	437.8	6,516.9	4,241.4	10,758.3	6.7	60.6
February	6,174.1	72.5	375.7	68.8	444.5	6,618.6	4,156.8	10,775.4	6.7	61.4
March	6,243.2	55.6	339.1	73.3	412.4	6,655.6	4,134.6	10,790.2	6.2	61.7
April	6,192.1	44.7	339.1	65.3	404.5	6,596.5	4,209.1	10,805.7	6.1	61.0
Standard error of -										
April 1980 estimates	15.7	2.8	6.2	3.3	6.6	16.0	14.1	..	0.1	0.1
March to April 1980 movement	10.8	2.8	5.0	3.1	5.3	10.9	9.8	..	0.1	0.1

(a) For information on standard errors see technical note, page 24.

TABLE 2. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS AND MARITAL STATUS, APRIL 1980

	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				- '000 -				- per cent -	
Males -									
Married	2,764.9	65.4	*	68.4	2,833.3	658.0	3,491.4	2.4	81.2
Other (a)	1,184.8	127.5	11.0	138.5	1,323.3	520.5	1,843.7	10.5	71.8
Total	3,949.6	192.9	14.1	206.9	4,156.6	1,178.5	5,335.1	5.0	77.9
Females -									
Married	1,392.1	43.2	32.7	75.9	1,467.9	1,997.5	3,465.4	5.2	42.4
Other (a)	850.4	103.0	18.6	121.6	972.0	1,033.1	2,005.1	12.5	48.5
Total	2,242.4	146.3	51.3	197.5	2,440.0	3,030.6	5,470.6	8.1	44.6
Persons	6,192.1	339.1	65.3	404.5	6,596.5	4,209.1	10,805.7	6.1	61.0

(a) Comprises never married, widowed and divorced.

TABLE 3. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS, STATES AND TERRITORIES, APRIL 1980

State or Territory	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				- '000 -				- per cent -	
MALES									
N.S.W.	1,393.8	63.9	*	67.9	1,461.7	419.4	1,881.0	4.6	77.7
Vic.	1,057.7	41.4	4.7	46.1	1,103.8	312.9	1,416.7	4.2	77.9
Qld	587.2	36.1	*	38.2	625.4	190.8	816.3	6.1	76.6
S.A.	350.0	24.2	*	25.8	375.9	107.3	483.2	6.9	77.8
W.A.	352.7	17.7	*	18.7	371.4	95.3	466.7	5.0	79.6
Tas.	112.1	6.9	*	7.3	119.5	33.5	153.0	6.1	78.1
N.T.	33.9	*	*	*	34.3	8.4	42.7	*	80.4
A.C.T.	62.1	2.3	*	2.5	64.6	11.0	75.6	3.9	85.5
Australia	3,949.6	192.9	14.1	206.9	4,156.6	1,178.5	5,335.1	5.0	77.9
FEMALES									
N.S.W.	792.8	44.8	15.2	60.1	852.9	1,093.4	1,946.3	7.0	43.8
Vic.	616.7	40.9	17.5	58.4	675.0	790.7	1,465.8	8.6	46.1
Qld	320.0	25.6	7.4	33.0	353.0	478.9	831.9	9.4	42.4
S.A.	202.9	15.6	4.6	20.2	223.1	277.0	500.0	9.1	44.6
W.A.	191.5	13.0	4.2	17.2	208.7	249.0	457.7	8.2	45.6
Tas.	59.2	3.9	*	5.1	64.3	91.6	155.9	7.9	41.3
N.T.	17.3	*	*	*	18.5	15.4	33.8	*	54.5
A.C.T.	42.0	*	*	2.5	44.5	34.6	79.1	5.7	56.2
Australia	2,242.4	146.3	51.3	197.5	2,440.0	3,030.6	5,470.6	8.1	44.6
PERSONS									
N.S.W.	2,186.6	108.7	19.3	127.9	2,314.6	1,512.8	3,827.4	5.5	60.5
Vic.	1,674.4	82.2	22.2	104.5	1,778.8	1,103.6	2,882.5	5.9	61.7
Qld	907.2	61.7	9.6	71.2	978.4	669.7	1,648.1	7.3	59.4
S.A.	552.9	39.8	6.2	46.0	598.9	384.3	983.2	7.7	60.9
W.A.	544.3	30.7	5.1	35.8	580.1	344.3	924.4	6.2	62.8
Tas.	171.4	10.8	1.6	12.4	183.8	125.1	308.9	6.8	59.5
N.T.	51.3	*	*	*	52.8	23.8	76.5	*	69.0
A.C.T.	104.1	4.1	*	5.1	109.2	45.6	154.8	4.6	70.5
Australia	6,192.1	339.1	65.3	404.5	6,596.5	4,209.1	10,805.7	6.1	61.0

TABLE 4. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS,  
STATE CAPITAL CITIES, APRIL 1980

Capital city	Employed	Unemployed			Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work	Total					
		- '000 -							
MALES									
Sydney	879.5	36.2	*	38.9	918.4	265.9	1,184.3	4.2	77.5
Melbourne	761.4	31.6	*	35.2	796.6	215.4	1,012.0	4.4	78.7
Brisbane	271.5	13.2	*	14.4	285.9	85.2	371.1	5.1	77.0
Adelaide	244.7	20.3	*	21.9	266.6	81.9	348.5	8.2	76.5
Perth	235.6	14.1	*	14.7	250.2	72.6	322.8	5.9	77.5
Hobart	43.3	4.0	*	4.2	47.5	14.6	62.1	8.9	76.5
Total	2,435.9	119.4	10.0	129.4	2,565.3	735.6	3,300.8	5.0	77.7
FEMALES									
Sydney	546.3	23.3	10.3	33.5	579.8	679.0	1,258.8	5.8	46.1
Melbourne	457.1	30.7	13.2	43.9	500.9	560.1	1,061.0	8.8	47.2
Brisbane	162.3	10.9	4.2	15.1	177.4	222.1	399.5	8.5	44.4
Adelaide	150.0	12.3	4.0	16.3	166.3	206.1	372.4	9.8	44.7
Perth	145.1	10.0	3.3	13.4	158.4	181.0	339.4	8.4	46.7
Hobart	28.1	1.8	*	2.2	30.3	34.7	65.0	7.2	46.6
Total	1,488.8	89.0	35.4	124.4	1,613.2	1,883.0	3,496.2	7.7	46.1
PERSONS									
Sydney	1,425.8	59.4	13.0	72.5	1,498.3	944.9	2,443.2	4.8	61.3
Melbourne	1,218.4	62.3	16.8	79.1	1,297.5	775.5	2,073.0	6.1	62.6
Brisbane	433.7	24.2	5.4	29.6	463.3	307.3	770.6	6.4	60.1
Adelaide	394.7	32.6	5.6	38.2	432.9	288.0	720.9	8.8	60.0
Perth	380.7	24.1	3.9	28.0	408.7	253.5	662.2	6.9	61.7
Hobart	71.4	5.8	*	6.4	77.8	49.3	127.1	8.2	61.2
Total	3,924.7	208.4	45.3	253.7	4,178.4	2,618.6	6,797.0	6.1	61.5

TABLE 5. CIVILIAN POPULATION AGED 15 TO 19 YEARS, BY EMPLOYMENT STATUS AND WHETHER ATTENDING SCHOOL, APRIL 1980 (a)

	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				- '000 -				- per cent -	
NOT ATTENDING SCHOOL									
Males	323.0	46.4	*	47.7	370.7	56.7	427.4	12.9	86.7
Females	268.9	58.6	*	61.4	330.3	77.6	408.0	18.6	81.0
Persons	591.9	105.0	*	109.1	701.0	134.3	835.4	15.6	83.9
Left school -									
Before 1978	247.8	38.7	*	39.8	287.6	44.3	331.9	13.8	86.6
1978	178.7	25.8	*	27.3	205.9	37.6	243.5	13.2	84.6
1979 to survey date	165.4	40.4	*	42.1	207.5	52.4	259.9	20.3	79.8
Age (years) -									
15	23.8	6.2	*	6.5	30.3	6.5	36.8	21.3	82.4
16	75.1	22.4	*	23.0	98.2	13.0	111.1	23.5	88.3
17	134.5	28.2	*	28.5	163.0	23.4	186.3	17.5	87.5
18	174.4	27.1	*	28.7	203.1	43.9	247.1	14.1	82.2
19	184.1	21.0	*	22.4	206.5	47.6	254.1	10.8	81.3
ATTENDING SCHOOL									
Males	36.9	*	6.1	8.7	45.6	180.4	226.0	19.1	20.2
Females	40.2	*	6.9	9.5	49.7	169.2	218.8	19.1	22.7
Persons	77.1	5.2	12.9	18.2	95.3	349.6	444.9	19.1	21.4
Age (years) -									
15	32.8	*	8.0	9.9	42.7	172.1	214.8	23.1	19.9
16	28.4	*	*	5.3	33.7	111.7	145.4	15.7	23.2
17	13.6	*	*	*	15.7	55.0	70.6	*	22.2
18 and 19	*	*	*	*	*	10.8	14.1	*	*

(a) For information on duration of unemployment see Table 21.

TABLE 6. CIVILIAN POPULATION AGED 20 TO 24 YEARS, BY EMPLOYMENT STATUS, APRIL 1980

	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				- '000 -				- per cent -	
Males	503.6	52.0	*	54.9	558.4	57.0	615.4	9.8	90.7
Females	389.6	38.2	6.5	44.5	434.2	176.7	610.9	10.3	71.1
Persons	893.2	90.0	9.3	99.4	992.6	233.7	1,226.3	10.0	80.9
Age (years) -									
20	183.2	22.6	*	25.6	208.8	45.7	254.5	12.3	82.0
21	182.7	21.2	*	22.6	205.2	49.2	254.5	11.0	80.7
22	182.4	16.4	*	18.3	200.7	47.8	248.5	9.1	80.8
23	177.9	16.1	*	17.3	195.2	42.8	238.0	8.9	82.0
24	167.1	13.6	*	15.5	182.6	48.2	230.8	8.5	79.1

TABLE 7. CIVILIAN LABOUR FORCE, BY EMPLOYMENT STATUS, BIRTHPLACE AND PERIOD OF ARRIVAL IN AUSTRALIA, APRIL 1980

	Employed		Unemployed		Labour force	Unemployment rate	Participation rate (a)
	Full-time	Total	Looking for full-time work	Total			
	- '000 -						
MALES							
Born in Australia	2,712.3	2,878.7	136.1	145.1	3,023.9	4.8	78.3
Born outside Australia	1,024.5	1,070.9	56.8	61.8	1,132.7	5.5	79.8
Italy	123.5	127.8	*	*	131.2	*	84.8
Greece	61.9	64.6	5.2	5.2	69.8	7.4	84.0
Yugoslavia	60.8	62.9	*	4.6	67.5	6.9	87.9
U.K. and Ireland	365.1	383.0	19.3	20.8	403.8	5.2	75.7
New Zealand	50.2	52.8	5.3	5.8	58.5	9.9	91.3
Other	363.0	379.9	19.6	22.0	401.9	5.5	79.3
Arrived before 1961	430.5	449.7	11.4	12.2	462.0	2.7	72.2
1961-1965	161.3	169.6	9.9	10.6	180.2	5.9	89.8
1966-1970	201.2	210.3	13.4	14.7	225.1	6.6	85.9
1971-1978	201.7	209.7	14.4	16.4	226.1	7.2	85.8
1979 to survey date	29.7	31.5	7.6	7.8	39.4	19.9	74.3
MARRIED WOMEN							
Born in Australia	524.1	977.2	24.3	47.2	1,024.4	4.6	40.5
Born outside Australia	265.3	414.9	18.9	28.7	443.6	6.5	47.9
Italy	29.9	42.8	*	*	44.5	*	42.1
Greece	23.1	32.3	*	*	35.0	*	53.2
Yugoslavia	18.5	22.5	*	*	24.6	*	50.4
U.K. and Ireland	88.1	155.8	5.9	10.3	166.0	6.2	47.0
New Zealand	9.5	15.2	*	*	17.2	*	53.2
Other	96.1	146.4	7.0	9.8	156.2	6.3	48.9
Arrived before 1961	87.7	155.9	*	6.1	162.0	3.8	41.0
1961-1965	47.5	71.4	*	5.3	76.7	6.9	52.7
1966-1970	55.0	84.9	4.5	6.9	91.9	7.5	53.7
1971-1978	66.4	91.8	5.7	7.8	99.6	7.9	55.1
1979 to survey date	8.7	10.9	*	*	13.5	*	40.2
ALL FEMALES							
Born in Australia	1,098.4	1,693.6	106.8	143.9	1,837.6	7.8	44.6
Born outside Australia	373.0	548.8	39.5	53.6	602.4	8.9	47.4
Italy	36.6	50.1	*	*	52.7	*	41.1
Greece	25.7	35.8	*	*	39.4	*	51.3
Yugoslavia	23.0	27.4	*	*	30.9	*	48.2
U.K. and Ireland	134.2	215.6	13.4	19.6	235.1	8.3	46.6
New Zealand	18.4	25.6	*	5.0	30.5	16.3	59.4
Other	135.1	194.4	15.5	19.3	213.6	9.0	47.9
Arrived before 1961	116.8	191.1	4.9	8.7	199.8	4.3	37.6
1961-1965	67.5	95.0	6.5	9.6	104.5	9.1	53.2
1966-1970	81.5	120.0	9.3	12.8	132.8	9.6	55.6
1971-1978	92.4	124.7	12.4	16.0	140.7	11.4	56.0
1979 to survey date	14.8	18.0	6.3	6.6	24.6	26.9	46.6
PERSONS							
Born in Australia	3,810.7	4,572.4	242.9	289.1	4,861.4	5.9	60.9
Born outside Australia	1,397.5	1,619.7	96.3	115.4	1,735.1	6.7	64.5
Italy	160.1	177.8	5.9	6.1	183.9	3.3	65.0
Greece	87.6	100.4	7.6	8.8	109.2	8.1	68.3
Yugoslavia	83.9	90.3	5.8	8.1	98.4	8.3	69.8
U.K. and Ireland	499.3	598.5	32.7	40.4	638.9	6.3	61.5
New Zealand	68.6	78.3	9.1	10.8	89.1	12.1	77.1
Other	498.1	574.3	35.2	41.2	615.5	6.7*	64.6
Arrived before 1961	547.3	640.9	16.3	20.9	661.8	3.2	56.5
1961-1965	228.9	264.6	16.4	20.2	284.8	7.1	71.7
1966-1970	282.7	330.3	22.8	27.6	357.8	7.7	71.5
1971-1978	294.1	334.4	26.9	32.3	366.8	8.8	71.2
1979 to survey date	44.5	49.5	14.0	14.4	63.9	22.6	60.5

(a) Excludes persons in institutions. See explanatory notes, paragraph 14, for definition.



TABLE 8. CIVILIAN LABOUR FORCE, BY AGE, APRIL 1980

Age group (years)	Number ('000)					Participation rate (per cent)				
	Males	Married women	Other females (a)	All females	Persons	Males	Married women	Other females (a)	All females	Persons
15-19	416.3	16.2	363.8	380.0	796.3	63.7	50.0	61.2	60.6	62.2
20-24	558.4	163.8	270.4	434.2	992.6	90.7	56.8	83.9	71.1	80.9
25-34	1,106.6	458.9	148.9	607.8	1,714.4	95.4	47.5	77.0	52.5	73.9
35-44	855.1	431.8	67.2	499.0	1,354.0	95.4	57.1	67.1	58.2	77.3
45-54	711.3	285.1	67.1	352.3	1,063.6	91.5	46.3	54.1	47.6	70.1
55-59	296.4	76.2	28.6	104.8	401.2	81.9	26.6	37.0	28.8	55.2
60-64	149.9	25.4	13.6	39.0	188.9	52.8	12.3	13.8	12.8	32.0
65 and over	62.5	10.6	12.4	22.9	85.4	10.7	3.4	2.5	2.8	6.1
Total	4,156.6	1,467.9	972.0	2,440.0	6,596.5	77.9	42.4	48.5	44.6	61.0

(a) Comprises never married, widowed and divorced.

TABLE 9. LABOUR FORCE PARTICIPATION RATES, BY AGE AND BIRTHPLACE, APRIL 1980 (a)  
(per cent)

Age group (years)	Born in Australia			Born outside Australia		
	Males	Females	Persons	Males	Females	Persons
15-19	64.6	61.2	62.9	60.9	57.5	59.3
20-24	91.8	71.9	81.9	89.0	67.6	78.3
25-34	96.2	51.6	73.6	95.4	55.6	76.1
35-44	96.0	56.1	76.2	95.1	63.6	80.2
45-54	91.2	46.1	68.2	93.3	52.1	75.3
55-59	81.7	27.9	54.0	84.6	31.8	59.6
60-64	50.5	12.6	30.0	61.4	14.5	40.8
65 and over	12.5	3.0	6.9	7.7	3.3	5.5
Total	78.3	44.6	60.9	79.8	47.4	64.5

(a) Excludes persons in institutions. See explanatory notes, paragraph 14, for definition.

TABLE 10. EMPLOYED PERSONS: FULL-TIME AND PART-TIME STATUS, BY AGE, APRIL 1980 ('000)

	Age group (years)								
	15-19	20-24	25-34	35-44	45-54	55-59	60-64	65 and over	Total
MALES									
Full-time workers	300.9	472.5	1,031.8	809.6	677.3	274.7	131.4	38.6	3,736.8
Part-time workers	59.0	31.1	29.9	22.0	19.1	14.6	14.0	23.2	212.8
Total	359.9	503.6	1,061.7	831.5	696.5	289.3	145.4	61.8	3,949.6
MARRIED WOMEN									
Full-time workers	9.3	116.7	231.5	219.1	157.9	40.4	12.0	*	789.4
Part-time workers	*	33.8	198.4	195.6	115.5	34.7	13.3	7.8	602.6
Total	12.7	150.5	429.9	414.7	273.4	75.1	25.4	10.3	1,392.1
ALL FEMALES									
Full-time workers	230.0	326.0	351.7	266.4	208.4	60.4	19.9	8.7	1,471.5
Part-time workers	79.1	63.6	214.3	210.5	128.9	41.6	18.9	14.0	771.0
Total	309.1	389.6	566.0	477.0	337.2	102.0	38.8	22.7	2,242.4
PERSONS									
Full-time workers	530.9	798.5	1,383.6	1,076.0	885.7	335.1	151.3	47.3	5,208.2
Part-time workers	138.2	94.7	244.2	232.5	148.0	56.2	32.9	37.1	983.8
Total	669.0	893.2	1,627.7	1,308.5	1,033.7	391.3	184.1	84.5	6,192.1

TABLE 11. EMPLOYED PERSONS, BY HOURS WORKED, APRIL 1980

	<i>Males</i>	<i>Married women</i>	<i>Other females (a)</i>	<i>All females</i>	<i>Persons</i>
NUMBER EMPLOYED ('000)					
Weekly hours worked –					
0(b)	267.3	86.2	50.9	137.1	404.4
1–15	131.8	308.0	107.1	415.1	546.9
16–29	510.4	387.3	177.7	564.9	1,075.4
30–34	1,469.8	355.6	310.2	665.7	2,135.6
35–39	389.8	69.6	62.4	132.0	521.7
40	431.6	90.7	88.6	179.4	611.0
41–44	114.8	13.8	11.6	25.4	140.2
45–48	169.7	18.4	14.7	33.1	202.8
49 and over	464.4	62.5	27.2	89.7	554.1
Total	3,949.6	1,392.1	850.4	2,242.4	6,192.1
WEEKLY HOURS WORKED (c)					
Aggregate weekly hours worked (million)	133.7	34.3	23.6	57.9	191.6
By full-time workers	130.5	25.8	21.4	47.3	177.8
By part-time workers	3.2	8.5	2.1	10.6	13.8
Average weekly hours worked	33.9	24.6	27.7	25.8	30.9
By full-time workers	34.9	32.7	31.4	32.1	34.1
By part-time workers	14.8	14.1	12.6	13.8	14.0

(a) Comprises never married, widowed and divorced. (b) Persons who had a job from which they were absent for the whole of the survey week. See explanatory notes, paragraph 16, for definition. (c) The figures relate to hours worked, not hours paid for. See explanatory notes, paragraph 16.

TABLE 12. FULL-TIME WORKERS WHO WORKED LESS THAN 35 HOURS, BY REASON, APRIL 1980 ('000)

<i>Reason for working less than 35 hours</i>	<i>Males</i>	<i>Married women</i>	<i>Other females (a)</i>	<i>All females</i>	<i>Persons</i>
Leave, holiday or flexitime	2,019.4	501.9	450.3	952.2	2,971.7
Own illness or injury	87.8	20.6	19.9	40.5	128.2
Bad weather, plant breakdown, etc.	*	*	*	*	*
Began or left job in the survey week	8.5	*	*	*	12.1
Stood down, on short time, insufficient work	25.1	5.2	*	6.3	31.5
Other reasons	22.3	4.8	*	9.1	31.4
Total	2,166.5	534.5	477.5	1,012.0	3,178.5

(a) Comprises never married, widowed and divorced.

**TABLE 13. PART-TIME WORKERS : WHETHER PREFERRED TO WORK MORE HOURS AND WHETHER LOOKING FOR FULL-TIME WORK, BY AGE, APRIL 1980**  
(<sup>'000</sup>)

	Age group (years)						
	15-19	20-24	25-34	35-44	45-54	55 and over	Total
MALES							
Total	59.0	31.1	29.9	22.0	19.1	51.8	212.8
Preferred not to work more hours	45.5	21.9	22.1	14.7	13.9	47.1	165.1
Preferred to work more hours	13.6	9.2	7.8	7.3	5.2	4.7	47.7
Had actively looked for full-time work (a)	6.6	—	7.4	—	6.4	*	22.1
MARRIED WOMEN							
Total	*	33.8	198.4	195.6	115.5	55.8	602.6
Preferred not to work more hours	*	28.1	177.6	172.4	106.2	53.3	539.9
Preferred to work more hours	*	5.7	20.9	23.2	9.3	*	62.7
Had actively looked for full-time work (a)	*	—	6.1	—	6.4	—	12.8
ALL FEMALES							
Total	79.1	63.6	214.3	210.5	128.9	74.5	771.0
Preferred not to work more hours	59.0	48.6	189.1	184.5	117.2	70.9	669.4
Preferred to work more hours	20.1	15.0	25.2	26.0	11.6	*	101.6
Had actively looked for full-time work (a)	10.5	6.2	5.9	—	7.4	*	30.7
PERSONS							
Total	138.2	94.7	244.2	232.5	148.0	126.2	983.8
Preferred not to work more hours	104.5	70.5	211.2	199.2	131.1	118.0	834.5
Preferred to work more hours	33.7	24.2	33.0	33.3	16.9	8.2	149.3
Had actively looked for full-time work (a)	17.1	10.5	9.1	8.9	4.9	*	52.8

(a) In the four weeks up to the end of the survey week.

**TABLE 14. PART-TIME WORKERS : WHETHER PREFERRED TO WORK MORE HOURS AND WHETHER LOOKING FOR FULL-TIME WORK, BY HOURS WORKED, APRIL 1980**  
(<sup>'000</sup>)

	Persons who worked in the survey week Hours worked in the survey week						Persons who did not work in the survey week (a)	Total
	1-5	6-10	11-15	16-20	21-29	30-34		
MALES								
Total	28.8	48.4	20.6	38.5	40.0	23.7	12.9	212.8
Preferred not to work more hours	22.1	37.9	14.8	27.7	32.9	18.2	11.6	165.1
Preferred to work more hours	6.7	10.5	5.8	10.8	7.1	5.5	*	47.7
Had actively looked for full-time work (b)	— 8.1 —	—	— 7.5 —	—	— 6.0 —	—	*	22.1
MARRIED WOMEN								
Total	76.2	124.2	97.4	128.9	108.2	32.4	35.2	602.6
Preferred not to work more hours	65.9	106.7	87.2	115.9	101.1	30.9	32.3	539.9
Preferred to work more hours	10.3	17.5	10.2	13.0	7.2	*	*	62.7
Had actively looked for full-time work (b)	— 4.5 —	—	— 6.1 —	—	*	*	*	12.8
ALL FEMALES								
Total	115.7	163.6	116.9	156.3	132.1	43.4	43.0	771.0
Preferred not to work more hours	97.1	138.8	101.5	135.2	118.5	39.4	38.9	669.4
Preferred to work more hours	18.6	24.8	15.4	21.1	13.6	*	*	101.6
Had actively looked for full-time work (b)	5.2	7.1	5.1	7.8	— 5.3 —	—	*	30.7
PERSONS								
Total	144.5	212.0	137.5	194.8	172.1	67.1	55.9	983.8
Preferred not to work more hours	119.2	176.7	116.3	162.9	151.4	57.6	50.5	834.5
Preferred to work more hours	25.3	35.3	21.2	31.9	20.7	9.5	5.4	149.3
Had actively looked for full-time work (b)	7.9	12.6	8.1	12.3	7.4	*	*	52.8

(a) Persons who had a part-time job from which they were absent for the whole of the survey week. (b) In the four weeks up to the end of the survey week.

**TABLE 15. EMPLOYED PERSONS : EMPLOYMENT/POPULATION RATIOS BY AGE AND MARITAL STATUS, APRIL 1980 (a)**  
(per cent)

<i>Age group (years)</i>	<i>Married men</i>	<i>Other males</i>	<i>All males</i>	<i>Married women</i>	<i>Other females</i>	<i>All females</i>	<i>Persons</i>
15-19	*	55.0	55.1	39.2	49.9	49.3	52.3
20-24	91.1	79.0	81.8	52.2	74.2	63.8	72.8
25-34	94.5	82.7	91.5	44.5	70.4	48.9	70.2
35-44	94.2	81.8	92.8	54.8	62.2	55.7	74.7
45-54	91.4	77.4	89.6	44.4	51.4	45.6	68.1
55-59	82.4	62.4	79.9	26.2	34.8	28.0	53.9
60-64	53.6	38.1	51.1	12.3	13.6	12.7	31.2
65 and over	11.5	7.5	10.5	3.3	2.5	2.8	6.1
<b>Total</b>	<b>79.2</b>	<b>64.3</b>	<b>74.0</b>	<b>40.2</b>	<b>42.4</b>	<b>41.0</b>	<b>57.3</b>

(a) See paragraph 8.

**TABLE 16. UNEMPLOYED PERSONS, BY AGE, STATES, APRIL 1980**  
(<sup>000</sup>)

<i>Age group (years)</i>	<i>New South Wales</i>	<i>Victoria</i>	<i>Queensland</i>	<i>South Australia</i>	<i>Western Australia</i>	<i>Tasmania</i>	<i>Australia (a)</i>
<b>MALES</b>							
15-19	16.3	11.6	11.4	9.2	4.8	2.5	56.4
20-24	18.1	12.8	8.9	7.0	5.5	1.9	54.9
25-34	16.4	10.2	7.6	4.4	5.0	*	44.9
35 and over	17.2	11.5	10.3	5.2	3.4	1.9	50.8
<b>Total</b>	<b>67.9</b>	<b>46.1</b>	<b>38.2</b>	<b>25.8</b>	<b>18.7</b>	<b>7.3</b>	<b>206.9</b>
<b>FEMALES</b>							
15-19	22.2	18.6	12.3	8.9	5.2	2.4	70.9
20-24	11.9	14.0	8.6	4.0	4.0	*	44.5
25-34	12.9	13.1	6.2	3.9	4.4	*	41.8
35 and over	13.1	12.8	5.8	3.4	3.5	*	40.3
<b>Total</b>	<b>60.1</b>	<b>58.4</b>	<b>33.0</b>	<b>20.2</b>	<b>17.2</b>	<b>5.1</b>	<b>197.5</b>
<b>PERSONS</b>							
15-19	38.5	30.1	23.7	18.1	10.0	4.9	127.3
20-24	30.0	26.8	17.6	11.0	9.5	3.1	99.4
25-34	29.2	23.2	13.8	8.3	9.4	1.7	86.7
35 and over	30.3	24.3	16.2	8.6	6.9	2.7	91.1
<b>Total</b>	<b>127.9</b>	<b>104.5</b>	<b>71.2</b>	<b>46.0</b>	<b>35.8</b>	<b>12.4</b>	<b>404.5</b>

(a) Includes the Northern Territory and the Australian Capital Territory.

TABLE 17. UNEMPLOYED PERSONS, BY AGE AND WHETHER LOOKING FOR FULL-TIME OR PART-TIME WORK, APRIL 1980

	Number unemployed ('000)					Unemployment rate (per cent)				
	Married men	All males	Married women	All females	All persons	Married men	All males	Married women	All females	All persons
LOOKING FOR FULL-TIME WORK										
Total	65.4	192.9	43.2	146.3	339.1	2.4	4.9	5.2	9.0	6.1
Aged 15-19 years	*	49.0	*	61.2	110.2	*	14.0	*	21.0	17.2
Looking for first job	*	16.3	*	28.5	44.7	..	..	..	..	..
Not looking for first job	*	32.7	*	32.7	65.5	..	..	..	..	..
Attending school	*	*	*	*	5.2	n.a.	n.a.	n.a.	n.a.	n.a.
Aged 20 years and over	65.0	143.9	39.9	85.1	229.0	2.4	4.0	4.9	6.4	4.7
20-24 years	6.9	52.0	10.0	38.0	90.0	5.1	9.9	7.9	10.4	10.1
25-34 years	23.5	43.6	15.0	26.3	69.8	2.8	4.1	6.1	6.9	4.8
35-44 years	17.0	22.8	6.5	9.7	32.5	2.3	2.7	2.9	3.5	2.9
45-54 years	9.5	14.1	7.5	9.4	23.6	1.6	2.0	4.5	4.3	2.6
55 years and over	8.2	11.4	*	*	13.0	2.0	2.5	*	*	2.4
LOOKING FOR PART-TIME WORK										
Total	*	14.1	32.7	51.3	65.3	*	6.2	5.1	6.2	6.2
Aged 15-19 years	*	7.4	*	9.7	17.1	*	11.2	*	10.9	11.0
Attending school	*	6.1	*	6.9	12.9	*	14.4	*	14.7	14.6
Aged 20 years and over	*	6.7	32.5	41.6	48.2	*	4.1	5.1	5.7	5.4
20-24 years	*	*	*	6.5	9.3	*	*	*	9.2	9.0
25-34 years	*	*	14.0	15.5	16.9	*	*	6.6	6.8	6.5
35-44 years	*	*	10.6	12.3	13.0	*	*	5.1	5.5	5.3
45-54 years	*	*	4.7	7.3	9.0	*	*	2.7	3.4	3.2
55 years and over	*	*	*	*	*	*	*	*	*	*
TOTAL										
Total	68.4	206.9	75.9	197.5	404.5	2.4	5.0	5.2	8.1	6.1
Aged 15-19 years	*	56.4	*	70.9	127.3	*	13.5	*	18.7	16.0
Attending school	*	8.7	*	9.5	18.2	*	19.1	*	19.1	19.1
Aged 20 years and over (a)	68.0	150.5	72.4	126.6	277.2	2.4	4.0	5.0	6.1	4.8
20-24 years	7.3	54.9	13.2	44.5	99.4	5.2	9.8	8.1	10.3	10.0
25-34 years	23.9	44.9	29.0	41.8	86.7	2.8	4.1	6.3	6.9	5.1
35-44 years	17.7	23.6	17.1	22.0	45.6	2.3	2.8	4.0	4.4	3.4
45-54 years	10.1	14.8	11.7	15.1	29.9	1.6	2.1	4.1	4.3	2.8
55-59 years	5.2	7.1	*	*	9.9	2.0	2.4	*	*	2.5
60-64 years	*	4.6	*	*	4.8	*	3.1	*	*	2.5

(a) Includes unemployed persons aged 65 years and over, details for whom are not shown separately.

TABLE 18. UNEMPLOYED PERSONS, BY AGE AND BIRTHPLACE, APRIL 1980

	Number unemployed ('000)			Unemployment rate (per cent)		
	Males	Females	Persons	Males	Females	Persons
BORN IN AUSTRALIA						
Total	145.1	143.9	289.1	4.8	7.8	5.9
Looking for full-time work	136.1	106.8	242.9	4.8	8.9	6.0
Looking for part-time work	9.1	37.2	46.2	5.2	5.9	5.7
Aged 15-19 years	45.3	60.0	105.3	12.6	18.0	15.2
Aged 20 years and over	99.8	83.9	183.7	3.7	5.6	4.4
20-24 years	42.3	32.2	74.5	9.0	8.8	8.9
25-34 years	27.8	27.8	55.6	3.5	6.3	4.5
35 years and over	29.8	23.8	53.6	2.1	3.4	2.6
BORN OUTSIDE AUSTRALIA						
Total	61.8	53.6	115.4	5.5	8.9	6.7
Looking for full-time work	56.8	39.5	96.3	5.3	9.6	6.4
Looking for part-time work	5.0	14.1	19.1	9.7	7.4	7.9
Aged 15-19 years	11.1	10.9	22.0	19.1	23.3	21.0
Aged 20 years and over	50.7	42.7	93.4	4.7	7.7	5.7
20-24 years	12.6	12.3	24.8	13.9	18.1	15.7
25-34 years	17.1	14.0	31.1	5.6	8.4	6.6
35 years and over	21.0	16.5	37.5	3.1	5.1	3.7

TABLE 19. UNEMPLOYED PERSONS, BY DURATION OF UNEMPLOYMENT AND AGE, ETC., APRIL 1980

Duration of unemployment (weeks)	Age (years)				Total (a)	Married	Not married (b)	Looking for -							
	15-19	20-24	25-34	35-54				Full-time work	Part-time work						
MALES															
- '000 -															
Under 2	*	5.5	8.4	8.1	{ 17.6	6.8	10.8	{ 15.7	5.0						
2 and under 4	7.2	6.4								{ 24.4	9.0	15.4	{ 21.3		
4 and under 8	8.6	8.7	6.5	4.8	29.6	10.2	19.4	27.3							
8 and under 13	8.2	6.9	5.0	*	23.9	6.6	17.3	21.5		4.7					
13 and under 26	16.6	12.5	9.3	7.0	47.1	14.0	33.1	45.0	*						
26 and under 39	6.1	5.4	6.3	*	{ 16.2	5.2	11.0	{ 15.4	*						
39 and under 52									{ 7.4	{ 4.7	{ 7.2	*			
52 and under 65	6.5	{ }	4.5	*	{ 10.2	*	{ 7.4	{ 9.8	*						
65 and under 78									{ }	{ }	{ }	*			
78 and under 91									{ }	{ }	{ }	*			
91 and under 104									{ }	{ }	{ }	*			
104 and over		4.9	5.5	6.9	{ 19.8	7.0	12.8	19.0	*						
Total	56.4	54.9	44.9	38.4	206.9	68.4	138.5	192.9	14.1						
- Weeks -															
Average (mean) duration	20.6	27.0	31.6	46.2	31.0	33.3	29.8	32.0	16.7						
Median duration	13.8	12.9	16.4	18.8	15.2	14.5	15.5	16.1	7.5						
FEMALES															
- '000 -															
Under 2	5.8	5.3	*	*	19.6	9.1	10.5	10.8	8.8						
2 and under 4	7.9	*	7.2	4.9	23.8	11.7	12.1	14.7	9.1						
4 and under 8	8.0	7.1	5.2	5.3	25.8	10.9	14.9	19.5	6.3						
8 and under 13	11.0	7.4	7.0	6.4	31.9	14.4	17.5	23.1	8.8						
13 and under 26	20.2	8.4	8.3	5.6	43.0	12.8	30.2	35.2	7.8						
26 and under 39	5.6	*	{ }	5.6	{ 14.1	5.3	8.8	{ 10.9	6.2						
39 and under 52	5.3	4.8								{ 5.6	{ 5.1	{ 4.9	{ 4.6		
52 and under 65			{ }	{ }	{ 10.8	{ }	{ 6.4	{ 8.8							
65 and under 78	7.2	*	*	6.0	{ 8.2	{ }	{ }	{ 6.4		*					
78 and under 91									{ }	{ }	{ }	{ }	{ }	{ }	7.0
91 and under 104									{ }	{ }	{ }	{ }	{ }	{ }	*
104 and over					{ 13.9	4.8	9.2	10.7	*						
Total	70.9	44.5	41.8	37.1	197.5	75.9	121.6	146.3	51.3						
- Weeks -															
Average (mean) duration	24.3	25.6	26.9	28.8	26.6	22.5	29.2	28.3	21.9						
Median duration	14.8	12.1	11.0	11.3	12.6	10.2	15.5	14.8	8.9						
PERSONS															
- '000 -															
Under 2	9.0	10.8	8.5	7.5	37.2	15.9	21.3	26.5	10.7						
2 and under 4	15.1	10.2	11.5	9.6	48.2	20.7	27.5	36.0	12.2						
4 and under 8	16.5	15.8	11.7	10.1	55.4	21.1	34.3	46.8	8.6						
8 and under 13	19.2	14.3	12.0	9.6	55.8	20.9	34.9	44.6	11.2						
13 and under 26	36.8	21.0	17.6	12.6	90.1	26.7	63.4	80.2	9.9						
26 and under 39	9.3	7.5	6.9	5.0	30.2	10.5	19.7	26.3	5.1						
39 and under 52	*	*	*	*	{ 13.0	*	9.7	11.8							
52 and under 65	6.2	5.3	4.7	5.4	{ 21.1	7.2	13.8	18.6	*						
65 and under 78	4.8	{ }	{ }	4.9	{ 7.8	5.4	{ 6.2	{ 7.3	4.8						
78 and under 91										{ }	{ }	{ }	{ }	{ }	{ }
91 and under 104										{ }	{ }	{ }	{ }	{ }	{ }
104 and over	5.7	7.1	7.9	10.5	33.7	11.8	21.9	29.8							
Total	127.3	99.4	86.7	75.4	404.5	144.3	260.2	339.1	65.3						
- Weeks -															
Average (mean) duration	22.7	26.4	29.3	37.7	28.8	27.6	29.5	30.4	20.8						
Median duration	14.4	12.5	12.9	14.0	13.8	11.4	15.5	15.5	8.5						

(a) Includes persons aged 55 years and over, details for whom are not shown separately. (b) Comprises never married, widowed and divorced.

TABLE 20. UNEMPLOYED PERSONS, BY INDUSTRY AND OCCUPATION OF LAST FULL-TIME JOB AND DURATION OF UNEMPLOYMENT, APRIL 1980 (a)  
(000)

	Duration of unemployment (weeks)							Total
	Under 4	4 and under 8	8 and under 13	13 and under 26	26 and under 39	39 and under 65	65 and over	
Had worked for two weeks or more in a full-time job in the last two years	54.4	44.5	34.7	51.9	21.3	21.8	11.5	240.1
Industry division –								
Manufacturing	10.9	10.9	9.3	15.1	5.3	7.9	*	63.3
Construction	6.2	—	7.1	5.0	—	5.0	—	23.4
Wholesale and retail trade	13.7	12.1	9.2	9.3	5.8	5.0	*	58.2
Finance, property and business services	—	6.0	—	—	4.8	—	*	11.3
Community services	4.5	—	6.9	5.5	—	5.5	—	22.3
Recreation, personal and other services	*	4.5	*	6.4	*	*	*	22.4
Other industries	12.0	6.6	*	8.8	—	7.0	—	39.2
Occupation group (b) –								
Professional, technical, etc.	—	6.9	—	6.4	—	*	*	17.5
Clerical	7.5	5.8	4.5	—	7.7	—	*	28.4
Sales	5.1	—	8.5	4.5	—	5.0	—	23.1
Farmers, fishermen, etc.	8.0	—	5.3	4.6	*	*	*	20.9
Transport and communication	—	5.2	—	—	5.3	—	*	11.7
Tradesmen, production-process workers and labourers, n.e.c.	20.4	19.0	14.2	22.6	9.0	10.4	6.3	101.8
Service, sport and recreation	*	6.6	5.1	8.1	—	5.5	—	29.4
Stood down	10.8	..	..	..	..	..	..	10.8
Other (c)	20.3	10.9	21.1	38.2	8.9	12.2	42.0	153.6
Total	85.4	55.4	55.8	90.1	30.2	34.0	53.6	404.5

(a) Duration of unemployment is not available for some industry divisions and occupation groups because of the high standard error of the estimates. Industry is classified according to ASIC 1978. (b) Excludes administrative, executive and managerial workers; and miners, quarrymen and related workers. (c) Had never worked for two weeks or more in a full-time job or had not done so in the last two years. Industry and occupation were not obtained for these persons.

TABLE 21. UNEMPLOYED PERSONS AGED 15 TO 19 YEARS, BY DURATION OF UNEMPLOYMENT AND WHETHER ATTENDING SCHOOL, APRIL 1980 (a)

		<i>Not attending school</i>		
	<i>Attending school</i>	<i>Left school before 1979</i>	<i>Left school 1979 to survey date</i>	<i>Total</i>
NUMBER ('000)				
Duration of unemployment (weeks) –				
Under 4	4.9	13.4	5.7	24.1
4 and under 13	5.0	17.4	13.3	35.7
13 and under 26	4.8	14.1	17.9	36.8
26 and over	*	22.2	5.2	30.7
Total	18.2	67.1	42.1	127.3
AVERAGE (MEAN) DURATION OF UNEMPLOYMENT (weeks)				
Males	13.0	27.3	13.5	20.6
Females	16.9	31.1	16.4	24.3
Persons	15.0	29.4	15.2	22.7
Looking for –				
Full-time work	18.2	29.8	15.5	24.0
Part-time work	13.8	*	*	14.1
MEDIAN DURATION OF UNEMPLOYMENT (weeks)				
Males	11.2	16.1	13.2	13.8
Females	11.4	15.1	15.4	14.8
Persons	11.3	15.6	14.5	14.4
Looking for –				
Full-time work	17.2	16.0	14.8	15.5
Part-time work	9.3	*	*	8.6

(a) For employment status of persons aged 15-19 years see Table 5.

TABLE 22. PERSONS NOT IN THE LABOUR FORCE, BY AGE AND MARITAL STATUS, ETC., APRIL 1980

	Married men	Other males (a)	All males	Married women	Other females (a)	All females	Persons	Proportion of population (b)
								per cent
– '000 –								
Age (years) –								
15-19	*	236.0	237.1	16.2	230.6	246.8	483.9	37.8
20-24	5.6	51.4	57.0	124.7	52.0	176.7	233.7	19.1
25-34	24.2	29.0	53.2	506.4	44.4	550.8	604.0	26.1
35-44	28.4	12.5	40.9	325.0	32.9	357.9	398.7	22.7
45-54	48.1	18.1	66.2	330.5	57.0	387.6	453.8	29.9
55-59	50.6	15.1	65.7	210.6	48.7	259.3	325.0	44.8
60-64	107.9	26.4	134.3	181.4	85.3	266.7	401.0	68.0
65 and over	392.2	132.0	524.2	302.6	482.2	784.7	1,309.0	93.9
Total	658.0	520.5	1,178.5	1,997.5	1,033.1	3,030.6	4,209.1	39.0
Permanently unable to work	n.a.	n.a.	24.3	n.a.	n.a.	19.1	43.4	..
In institutions	n.a.	n.a.	54.4	n.a.	n.a.	82.9	137.2	..
Aged 15-20 years attending school	n.a.	n.a.	180.5	n.a.	n.a.	169.5	350.0	..

(a) Comprises never married, widowed and divorced. (b) Persons not in the labour force as a percentage of the civilian population in the same group.



## GROSS FLOWS

In order to minimise respondent fatigue and at the same time maintain continuity within the population survey sample, one eighth of the dwellings in the sample (except the large non-private dwellings) are replaced after each survey. Adoption of this rotation procedure, whereby about seven eighths of the sample remains unchanged from one month to the next, enables more reliable measurements of changes in the labour force characteristics of the population to be made than would be possible if a new sample were introduced each month.

Because a high proportion of private dwellings selected in one survey remains in the sample for the following survey, it is possible to match the characteristics of most of the persons in those dwellings from one month to the next, to record any changes that occur, and hence to produce estimates of 'flows' between the different categories of the population and labour force.

The procedures used to select persons in non-private dwellings preclude the possibility of matching any of them who may be included in successive surveys. For this and other reasons, including the mobility of the population and non-response in either or both surveys, about 10 per cent of persons in those dwellings which are included in the sample in successive months cannot be matched. Those who can be matched represent about 80 per cent of all persons in the survey.

Changes in the characteristics of this latter group are shown in Table 23. About one half of the remaining (unmatched) 20 per cent of persons in the survey are likely to have characteristics similar to those in the matched group, but the characteristics of the other half are likely to be somewhat different.

Gross flow estimates shown in the following table relate only to those persons in private dwellings for whom information was obtained in successive surveys. The expansion factors used in calculating the estimates were those applying to the second of each pair of months.

Although it is not possible to provide gross flow estimates for all persons in the survey it is considered that the estimates derived from matched records will be a useful guide to the magnitude of the movements between categories which underly the changes in monthly levels.

While every effort is made to reduce non-sampling errors to a minimum, any such errors affecting employment status will tend to accumulate in the gross flow statistics rather than to cancel out. The estimates are also subject to sampling variability, as explained in paragraphs 3 to 5 on page 24. The standard errors may be obtained from Table A on page 25. For these reasons the estimates of flows should be used with caution.

TABLE 23. ESTIMATES, DERIVED FROM MATCHED RECORDS, OF EMPLOYMENT STATUS IN MARCH AND APRIL 1980, AND GROSS CHANGES (FLOWS)  
(<sup>000</sup>)

		Males	Married women	All females	Persons
Employment status in – March 1980	April 1980				
Employed	Employed	3,105.4	1,067.6	1,702.0	4,807.3
	Unemployed	30.4	9.7	23.0	53.3
	Not in the labour force	59.6	78.8	97.3	157.0
Unemployed	Employed	36.2	11.6	28.2	64.3
	Unemployed	102.7	25.8	87.1	189.8
	Not in the labour force	18.3	28.2	41.2	59.5
Not in the labour force	Employed	37.5	58.6	78.0	115.5
	Unemployed	16.9	20.8	34.9	51.8
	Not in the labour force	798.1	1,494.9	2,228.0	3,026.1
Total flows into:	Employed	73.7	70.2	106.2	179.8
	Unemployed	47.2	30.5	57.9	105.1
	Not in the labour force	77.9	107.0	138.5	216.4
Total flows out of:	Employed	90.0	88.5	120.3	210.3
	Unemployed	54.4	39.8	69.3	123.8
	Not in the labour force	54.4	79.5	112.9	167.4
Total changes of status		198.9	207.7	302.6	501.4
Population represented by the matched sample		4,205.0	2,796.0	4,319.7	8,524.7

NOTE: When comparing figures for different periods, it is important to take into account the population represented by the matched sample, as shown in the last line of the table.

## TECHNICAL NOTE

For more information on sample design, estimation procedure and reliability of the estimates, for current and earlier surveys, reference should be made to the technical note in *The Labour Force, Australia, 1978* (6204.0).

### Estimation procedure

2. The labour force estimates are derived from the population survey by use of a complex ratio estimation procedure, which ensures that the survey 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

3. Since the estimates in this section are based on information obtained from occupants of a sample of dwellings the estimates and the movements derived from them 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 surveys. 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.

4. Space does not allow for the separate indication of the standard errors of all estimates in this section. Standard errors of estimates for the latest month and of estimates of movements since the previous month are shown in Table 1. Standard errors of other estimates and other monthly movements for periods from February 1978 should be determined by using Tables A and B on page 25. Standard errors of estimates and movements for periods prior to February 1978 were published in the technical note in *The Labour Force, Australia, 1978* (6204.0).

5. The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates.

6. Very small estimates are 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 section, estimates below the levels shown in Table A, and percentages based on such estimates, have not been included. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

7. The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. An indication of the magnitude of standard errors of monthly movements is given in Table B on page 25. The estimates of standard error of monthly movements apply only to estimates of movements between two consecutive months. Movements between corresponding months of consecutive years, or between two other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Table B. A guide to the standard errors of *quarterly* movements for periods from February 1978 can be obtained by multiplying the figures in the table of standard errors of monthly movements (Table B) by 1.4. A guide to the standard errors of *annual* movements for periods from February 1978 can be obtained by multiplying the figures in the table of standard errors of estimates (Table A) by 1.4.

8. Examples of the calculation and use of standard errors are given below :

- (a) From Table A it will be seen that the estimate of 192,900 unemployed males looking for full-time work in April 1980 has a standard error of about 5,100. 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 187,800 to 198,000 and about nineteen chances in twenty that the value will fall within the range 182,700 to 203,100.
- (b) The estimate of movement in the number of unemployed males looking for full-time work from March to April 1980 is a decrease of 3,400. Table B relates the standard error of the monthly movement to the larger of the two estimates from which the movement is derived. In this case the March 1980 estimate (196,300) is the larger. From Table B it will be seen that the standard error of the monthly movement is about 4,300. Therefore there are about two chances in three that if all dwellings had been included in the surveys the movement would have been within the range -7,700 to +900 and about nineteen chances in twenty that it would have been within the range -12,000 to +5,200.

9. The standard errors of estimates relating to agricultural employment are generally somewhat higher than the standard errors of other estimates of the same magnitude. Estimates for females also tend to have higher standard errors than estimates of equivalent size for males in similar categories. Standard errors for capital cities are approximately the same as those for corresponding States.

11. The imprecision due to sampling variability,

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**TABLE A – STANDARD ERRORS OF ESTIMATES**

[illegible]

**TABLE B - STANDARD ERRORS OF ESTIMATES OF MONTHLY MOVEMENTS**

[illegible]

## POPULATION SURVEY REPORTS

Although emphasis in the population survey is placed on the regular collection of data on demographic and labour force characteristics, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. The results of these surveys are published separately. Copies of the following publications are available free on request.

<i>Title</i>	<i>Catalogue No.</i>
<b>Supplementary surveys</b>	
<b>Australia</b>	
Alcohol and Tobacco Consumption Patterns, February 1977	4312.0
Annual and Long Service Leave, August 1974; May 1979	6317.0
Assisted and Unassisted Migrants, August 1972	3406.0
Birth Expectations of Married Women, November 1976; June 1979	3215.0
Child Care – May 1969; May 1973; May 1977	4402.0
Chronic Illnesses, Injuries and Impairments – May 1968; May 1974	4305.0
Employment Status of Teenagers, August 1978 (a)	6234.0
Evening and Night Work, November 1976	6329.0
Ex-service Personnel, November 1966; November 1971	4403.0
October 1979 (Preliminary)	4404.0
Family Status and Employment Status of the Population, November 1974 and 1975	6223.0
Frequency of Pay – August 1974, 1976 and 1977	6320.0
Health Insurance, March 1979	4335.0
Hearing and the Use of Hearing Aids, September 1978	4336.0
Home Ownership and Rental, November 1978	8710.0
Income Distribution, 1968-69 (Consolidated and Revised Edition)	6505.0
Income Distribution, 1973-74 –	
Part 1 (Tables relating to individuals)	6502.0
Part 2 (Tables relating to families)	6503.0
Part 3 (Supplementary Tables)	6504.0
Internal Migration –	
Conducted each year since 1970 (except 1976); Latest issue, 1979	3408.0
Job Tenure – February 1974; February 1975; August 1976	6211.0
Journey to Work and Journey to School – May 1970; August 1974	9205.0
Labour Force Experience –	
During: 1968; 1972; 1974; 1975; 1976; 1978	6206.0
Labour Force Status and Other Characteristics of Families, November 1974; July 1979	6224.0
Labour Mobility –	
November 1972; February 1975, 1976 and 1979	6209.0
Leavers from Schools, Universities and Other Educational Institutions –	
Conducted each year since 1964. Latest issue, May 1979	6227.0
Migrants in the Labour Force, 1972 to 1976	6230.0
Multiple Jobholding –	
November 1965; August 1966 and 1967; May 1971; August 1973, 1975, 1977 and 1979	6216.0
Non-School Study Courses, Survey of, August 1968	Not listed
Persons Covered by Hospital and Medical Expenditure Assistance Schemes, August 1972	4303.0
Persons Aged 15 to 64 Years : Employment Status and Period Since Leaving School, May 1976	6225.0
Persons Not in the Labour Force (including Discouraged Jobseekers) –	
November 1975; May 1977; March 1979; September 1979	6220.0
Persons Looking for Work –	
May 1976; November 1976; May 1977; July 1978; July 1979	6222.0
School Leavers, 1970 to 1974 : Their Employment Status and Education Experience in May 1975	6226.0
Superannuation, Survey of, February 1974	6319.0
The Labour Force : Country of Birth and Period of Residence, February 1972	6207.0
The Labour Force : Educational Attainment, Australia, February 1979	6235.0
Trade Union Members, November 1976	6325.0
Weekly Earnings of Employees (Distribution) – August 1975 to August 1979 (annually)	6310.0
Work Patterns of Employees, November 1976	6328.0

(a) Estimates derived from labour force surveys. For more recent estimates, see Table 5 of this publication.

POPULATION SURVEY REPORTS – *continued*

Title	Catalogue No.
<b>Supplementary surveys – <i>continued</i></b>	
<b>States</b>	
Status of Immunity to Diphtheria and Poliomyelitis, Children aged 2 months and under 3 years, and 6 or 7 years, February 1972 (New South Wales)	4304.1
Superannuation, Victoria, May 1968	Not listed
Domestic Appliance and Energy Usage, South Australia, April 1979	8207.4
Use of Health Services, South Australia, 1971	4301.4
Household Energy Sources, Tasmania, August 1975; June 1978	8204.6
<b>Special surveys</b>	
Employment Benefits, February to May 1979 (Preliminary)	6332.0
Sight, Hearing and Dental Health (persons aged 2 to 14 years) February – May 1979	4337.0
Survey of Persons Registered with the CES as Unemployed, March 1977	6229.0
Working Conditions, February to May 1979 (Preliminary)	6333.0

## 2. JOB VACANCIES

Surveys of job vacancies were conducted in March each year from 1974 to 1978 and quarterly, by telephone, from May 1977 to May 1978, after which they were suspended. The quarterly surveys were reintroduced in May 1979. For further details and estimates for earlier periods see *Job Vacancies, Australia, February 1980* (6231.0).

A job vacancy is defined as a job available for immediate filling on the survey date and for which recruitment action has been taken by the employer. Jobs available only to existing employees of an organisation are excluded. In this context the Australian Public Service and the Public Services of the States and the Northern Territory are treated as 'organisations'.

TABLE 24. JOB VACANCIES  
(000)

AUSTRALIA										
	May 1979	August 1979	November 1979	February 1980	Standard error					
For males	14.8	13.7	13.0	15.9	1.2					
For females	6.2	5.8	5.0	5.0	0.8					
For males or females	13.3	13.4	16.3	16.9	1.1					
Manufacturing	9.8	10.1	8.5	12.1	1.0					
Metal products, machinery and equipment	5.2	5.7	4.5	6.0	0.5					
Basic metal and fabricated metal products; other machinery, etc.	3.6	4.4	3.6	5.1	0.5					
Transport equipment	1.6	1.3	0.9	0.9	0.1					
Other manufacturing	4.6	4.4	4.0	6.1	0.8					
Other industries	24.5	22.9	25.9	25.7	1.5					
Wholesale and retail trade	6.1	4.5	4.7	5.2	0.8					
Transport and storage; communication	1.1	1.4	1.9	2.7	0.2					
Public administration; community services	10.0	8.8	11.8	11.2	0.8					
Other	7.3	8.2	7.5	6.6	1.0					
Total	34.3	33.0	34.3	37.8	1.8					
STATES AND TERRITORIES										
Month	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia	
Total -										
1979 -										
August	13.8	9.5	3.8	(a)2.2	1.9	(a)0.6	0.4	0.9	33.0	
November	14.8	8.9	4.3	1.7	2.4	0.9	0.4	0.9	34.3	
1980 -										
February	17.1	10.3	3.8	1.6	2.5	(a)1.0	(a)0.7	0.8	37.8	
Manufacturing -										
1979 -										
August	4.5	3.6	0.7	*	(a)0.2	0.1	*	*	10.1	
November	4.1	2.7	0.5	0.5	(a)0.5	0.1	*	*	8.5	
1980 -										
February	6.9	3.3	(a)0.4	(a)0.5	(a)0.5	*	*	*	12.1	
Other industries -										
1979 -										
August	9.3	5.9	3.1	(a)1.2	1.6	(a)0.5	0.4	0.8	22.9	
November	10.7	6.2	3.8	1.1	1.9	(a)0.8	0.4	0.9	25.9	
1980 -										
February	10.2	7.0	3.5	1.0	2.0	(a)0.8	0.5	0.8	25.7	
Government -										
1979 -										
August	3.9	2.3	1.9	0.8	0.9	*	0.2	0.7	11.0	
November	5.4	4.0	2.6	(a)0.7	0.9	*	0.2	0.8	15.4	
1980 -										
February	6.6	3.8	2.4	0.6	1.0	*	(a)0.3	0.7	15.9	
Private -										
1979 -										
August	10.0	7.2	1.9	(a)1.3	1.0	0.2	0.3	(a)0.1	22.0	
November	9.4	4.8	1.8	0.9	1.5	(a)0.2	0.3	*	18.9	
1980 -										
February	10.4	6.5	1.5	1.0	1.5	*	(a)0.4	(a)0.1	21.9	

(a) Standard error greater than 20 per cent but less than 30 per cent.