# THE LABOUR FORCE AUSTRALIA 

## SEPTEMBER 1984

(Introducing monthly statistics of the labour force status of families)

## CORRIGENDUM

## THE LABOUR FGRCE, AUSTRALIA, SEPTEMBER 1984

 CATALOGUE MD. 6203.0 ISSUED 5 NOVEMBER 1984In Table 32 of the above publication, estimates in the section headed "one or more fa mily members employed"are incorrect (they are for the category "one famis member employed"). Corrected estimates are shown in the following table:
table 32. all families(a): type of family. numberaf children aceo o-14 present, and labour force status(b), september lgba ( 000 fatiliea)

| None | One | Two or more |
| :---: | :---: | :---: |


| Marcted-couple fatites | 337.2 | 37.5 | 75.2 | 649.9 |
| :---: | :---: | :---: | :---: | :---: |
| One or boch opousea uaceployed (c) | 32.2 | 22.1 | 49.3 | 103.5 |
| Husband woenployed, wfe uneaployed | 7.1 | * | 7.6 | 18.3 |
| Hubbad uneaployed, wife aor la che labour form | 22.6 | 18.3 | 40.6 | 81.5 |
| Welcher ipouec uneoployed | S05.1 | 15.4 | 25.9 | 546.4 |
| Oetuer fasilles | 69.7 | 74.7 | 75.0 | 219.4 |
| Peatly head uataployed | 5.9 | 10.4 | 6.0 | 22.3 |
| Male head uneaployed | * | * | * | 6.0 |
| Feasle head uneaployed | - | 7.9 | 5.4 | 16.3 |
| Famety hasd not uneaployed | 63.8 | 64.3 | 69.1 | 197.2 |
| Male head not in the labour torce | 12.6 | * | , | 18.0 |
| Fegale head not to the labour force | 51.2 | 61.7 | 66.3 | 179.2 |
| All faxiles | 606.9 | 112.2 | 150.2 | 869.3 |


| Narcied-couple fasilies |  | 1.212.2 | \$72.8 | 1.016 .3 | 2,801.2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oof or batb spoused uneeployed (c) |  | 40.1 | 25.5 | 40.5 | 106.2 |
| Huaband esployed, vife uoteployed |  | 18.1 | 17.4 | 32.1 | 67.6 |
| Husbend unenployed, wife eaployed |  | 13.3 | 4.8 | 5.6 | 23.8 |
| Hucbad uneaployed. Wife Dot ta the labour fomm |  | 7.2 | - | * | 12.1 |
| metcher epouse unesployed |  | 1,172.1 | 547.2 | 975.8 | 2.695 .1 |
| Huaband enployed, vife eaployed |  | 648.3 | 273.8 | 445.4 | 1.367 .5 |
| Husbend eaployed, vife not sa the labour force |  | 408.2 | 260.8 | \$19.1 | 1.188 .1 |
| tusband not ia the labour force, uffe eaployed |  | 41.1 | 6.5 | 8.3 | 55.9 |
| Hugbend oot fo she labour forct, wife not in the labour | Corce | 74.4 | 6.0 |  | 83.6 |
| Otber fasilies |  | 202.1 | 77.9 | 40.2 | 320.2 |
| Pealty head uacoployed |  | 5.8 | - | - | 7.4 |
| Male head uneoployed |  | - | * | - | * |
| Feasle head uneaployed |  | * | * | - | 5.0 |
| Fantiy heas not uneaployed | , | 196.2 | 78.6 | 39.9 | 312.8 |
| Male head eaployed |  | 39.8 | 11.0 | 7.7 | 58.5 |
| Peasle head eoployed | $\vdots$ | 61.9 | 53.8 | 26.9 | 142.6 |
| Male head not in che labour force | \% | 11.8 82.7 | 11.0 | 4.8 | 13.1 98.5 |
| A11 fanliee | : | 1.414 .3 | 650.6 | 1.056.5 | 3.121 .4 |



| 1.749 .5 | 610.2 | 1.091 .6 | 3.451.1 |
| :---: | :---: | :---: | :---: |
| 72.3 | 47.6 | 89.8 | 209.7 |
| 18.1 | 17.4 | 32.1 | 67.6 |
| 13.3 | 4.6 | 5.6 | 23.8 |
| 0.6 | - | 8.1 | 20.3 |
| 29.8 | 21.2 | 42.7 | 93.6 |
| 1.677.1 | 562.6 | 1.001.7 | 3.241 .4 |
| 648.3 | 273.8 | 445.4 | 1.367.3 |
| 408.2 | 260.8 | \$19.1 | 1,188.1 |
| 41.1 | 6.5 | 0.1 | 35.9 |
| 879.5 | 21.4 | 29.0 | 629.9 |
| 271.8 | 152.6 | 115.2 | 539.6 |
| 11.7 | 11.7 | 6.3 | 29.7 |
| 5.1 | - | * | 8.5 |
| 6.6 | 8.9 | 5.1 | 21.2 |
| 260.1 | 140.9 | 109.0 | 509.9 |
| 39.8 | 11.0 | 7.1 | 58.5 |
| 61.9 | 53.8 | 26.9 | 142.6 |
| 24.6 | 3.5 | * | 11.1 |
| 131.9 | 12.6 | 11.2 | 271.7 |
| 2,021.2 | 762.8 | 1.206 .7 | 3.990.7 |

(a) Seatioleoscory Doces for exctuetoae co fefly teblee.



> PHONE INQUIRIES for more information about these statistics-contact Mr Alan Sharp on Canberra (062) $$
\begin{array}{l}526525 \text { or any of our State offices. } \\ \text { other inquiries including copies of publications-contact Information Services on Canberra } \\ \text { (062) } 526627 \text { or in any of our State offices. } \\ \text { write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. } 2616 \text { or any of our State } \\ \text { offices. }\end{array}
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## EMBARGOED UNTIL 11.30 A.M. 6 NOVEMBER 1984

## THE LABOUR FORCE, AUSTRALIA, SEPTEMBER 1984

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## EXPLANATORY NOTES

## Introduction

This publication contains estimates of the civilian labour force derived from the labour force survey part of the monthly population survey. For the first time, estimates of the labour force characteristics of family members and of family composition are included in this publication (see Tables 29 to 32 and paragraphs 53 to 56 below).
2. Preliminary survey results are published in advance of this more detailed publication in The Labour Force, Australia, Preliminary (6202.0).
3. Although emphasis in the population survey is placed on the regular collection of specific 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 on request. A list of survey publications on labour force and related topics is shown later in this publication.

## The population survey

4. The population survey is based on a multi-stage area sample of private dwellings (about 33,000 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. Because of operational problems arising from the Christmas and New Year holidays, interviews for the December 1983 survey commenced on Monday 5 December. The information obtained relates to the week before the interview (i.e. the survey week).

## Scope

5. The labour force survey includes all persons aged 15 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 residents in Australia; and
(d) members of non-Australian defence forces (and their dependents) 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 International Labour Organisation (ILO), relate only to those persons within the scope of the survey.
7. Employed persons comprise all those aged 15 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 15 and over in the same group.
9. Unemployed persons are those aged 15 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. Actively looking for work includes writing, telephoning or applying in person to an employer for work; answering a newspaper advertisement for a job; checking factory or Commonwealth Employment Service noticeboards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency; advertising or tendering for work; and contacting friends or relatives. The active steps were asked in the order shown in the table in this
publication showing unemployed persons classified by active steps taken, and since only one response was recorded for each person asked this particular question, the estimates do not reflect the relative importance of the steps taken to find work.
11. Unemployed persons looking for first job are those who had never worked full time for two weeks or more.
12. 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.
13. 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. Thus the survey measures current (and continuing) periods of unemployment rather than completed spells. For persons who may have begun looking for work while still employed, the duration of unemployment is defined as the period from the time the person last worked full time for two weeks or more 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.
14. Unemployed persons classified by industry and occupation. Unemployed persons who had worked full time for two weeks or more in the last two years are classified according to the industry and occupation of their most recent full-time job. Unemployment rates by industry and occupation are only available for February, May, August and November.
15. The labour force comprises all persons who, during the survey week, were employed or unemployed, as defined above.
16. The labour force participation rate for any group is the labour force expressed as a percentage of the civilian population aged 15 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.
17. Full-time workers are those who usually work 35 hours or more a week 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.
18. 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 calculations.
19. Persons attending school comprise those aged 15 to 20 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 educational institutions, and coaching and business schools. Persons attending school are classified as in the labour force if they were employed or unemployed as defined above. Because it is not practicable to ascertain from persons in institutions (who are classified as not in the labour force) whether or not they are enrolled at secondary or high schools, such persons are excluded from estimates classified by school attendance.
20. Persons not in the labour force are those who, during the survey week, were not in the categories employed or unemployed, as defined above. They include persons who were keeping house (unpaid), attending an educational institution (school, university, etc.), retired, voluntarily inactive, permanently unable to work, inmates of institutions (hospitals, gaols, sanatoria, etc.), 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. Specific surveys of persons not in the labour force indicate that a number want to work but are not classified as unemployed because they were not actively looking for work and/or were not available to begin work in the survey week. Included in this group are the discouraged jobseekers and other persons marginally attached to the labour force.
21. In the labour force survey, persons are classified as married or not married. Marital status is determined from information supplied by the respondent about the individual himself or herself and, where the person was reported as being married, about the living arrangements of persons usually resident in the household. Marital status does not therefore necessarily reflect legal status. Persons are classified as married if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not-married category includes persons who have never married, or are separated, widowed or divorced, as well as those who, although reported as being married, did not have a spouse who usually lived in the household. Persons who live in a de facto relationship but do not volunteer this information when asked whether they are married are classified as not married. For discontinuities in estimates of marital status, see paragraph 34.
22. The determination of family relationships and composition is complex, involving many factors. The following description outlines the major principles used for this survey. A family is defined to consist of two or more related persons usually resident in the same household at the time of the survey. A family comprises a married couple or a family head (as defined in paragraph 24) together with any persons having any of the following relationships to them:
(a) sons or daughters of any age, if not married and with no children of their own present;
(b) other relatives if not accompanied by a spouse, sons or daughters, or parents of their own; or
(c) any children under 15 years of age who do not have a parent present.
23. The following points should be noted in relation to the definition of a family in the previous paragraph:
(a) the term relationship includes relationships by blood, marriage or adoption;
(b) a family, as defined, can contain no more than two married persons, and can contain two married persons only if these persons are husband and wife (referred to as married-couple families);
(c) other families are families other than marriedcouple families as defined above. From the definition of married and not married in paragraph 21 it can be seen that the heads of other families must, by definition, be not married. In addition to one-parent families, this category includes families in which there is no parent, for example a family head living with a brother or sister;
(d) persons are defined as not a member of a family if they are not related to any other member of the household in which they are living. A person is considered to be living alone if he or she is the sole member of a household. Thus, a person who is the sole occupant of a self-contained flat attached to another dwelling is considered to be living alone;
(e) the terms usually reside and present are synonomous, and refer to persons who were identified by the respondent as usual residents of the household at the time of the survey.
24. The family head of an other family is the parent in the case of a one-parent family or, in the case of other groups of related persons, it is generally defined to be the eldest person in the family. No family head is defined for a married-couple family.
25. 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 status of worker i.e. 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).
26. Industry is classified according to the Australian Standard Industrial Classification (ASIC) 1978 (1201.0 and 1202.0 ) and occupation according to the Classification and Classified List of Occupations, Revised November 1980.
27. The areas determining the six State capital cities are the Statistical Divisions for those capital cities defined in Census of Population and Housing 1976. Population and Dwellings in Local Government Areas and Urban Centres (Preliminary) (2401.0-2408.0). Capital City Statistical Divisions are predominantly urban in character and the boundaries are delineated to contain the anticipated urban development of the capital cities (and associated urban centres) for a period of at least 20 years.

## Population benchmarks

28. Labour force survey estimates of persons employed, unemployed and not in the labour force are calculated in such a way as to add up to the independently estimated distribution of the population aged 15 and over by age and sex. This procedure compensates for under-enumeration in the survey, and leads to more reliable estimates. The independent population statistics (benchmarks) are the latest available estimates at the time the labour force survey is conducted, but they usually differ from the official population estimates subsequently published in Australian Demographic Statistics Quarterly (3101.0) because they are necessarily derived from incomplete information about population changes.

## Revision of series

29. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and overseas and internal migration. Revisions are made, however, after each census of population and housing, and when population estimation bases are reviewed. Survey estimates back to February 1978 have been recalculated to conform to revised population estimates which take account of results of the 1981 Census. Revised estimates back to February 1978 were published in an appendix to the February 1984 issue of this publication. The next issue of The Labour Force, Australia (6204.0) planned for release later this year, will contain more detailed cross-classifications of revised estimates back to February 1978.
30. Following the change in official population estimates to a place of usual residence basis after the 1981 Census, the population benchmarks used in the estimation of labour force survey data are compiled according to place of usual residence. For an explanation of the new conceptual basis of population estimates see Population Estimates: An outline of The New Conceptual Basis of ABS Population Estimates (3216.0). To coordinate with the new benchmarks, the labour force survey questionnaire was changed in October 1982 to enable identification of each respondent's place of usual residence. The estimates shown in this publication are thus wholly according to place of usual residence. Prior to October 1982, the estimates are based on a combination of place of enumeration and place of usual residence. Persons who are away overseas from their usual residence for less than six weeks at the time of interview are generally enumerated at their usual residence when relevant information can be obtained from other usual residents
present at the time of the survey. Persons who, at the time of interview, are overseas for six weeks or more but for less than twelve months are included in the estimates on the assumption that their labour force characteristics are similar to those of the persons responding in the survey.
31. Until February 1978, surveys were conducted in February, May, August and November each year from 1964. From February 1978 the survey has been conducted on a monthly basis. A revised questionnaire was introduced for the February 1978 survey. The questionnaire, which had undergone little change since 1964, except for the inclusion in 1975 of additional questions on jobseeking, was revised to provide more accurate and more detailed information concerning the labour force.
32. Details of the changes made to the questionnaire in February 1978 and additional minor amendments made in November 1981 are contained in the March 1978 and December 1981 issues (respectively) of Information Paper: Questionnaires Used in the Labour Force Survey (6232.0). As noted in paragraph 30, the questionnaire was further changed in October 1982 to enable identification of each respondent's place of usual residence. Questions enabling identification of family relationships within households were also included at that time. Details are contained in the August 1984 issue of the Information Paper (6232.0).

## Comparability of series

33. As noted in paragraphs 29 and 30 , estimates from February 1978 have been revised to conform to revised population estimates and are thus not strictly comparable with estimates for periods prior to February 1978 which have not been revised. The appendix to the February 1984 issue of this publication contains adjustment factors enabling users to calculate the expected effect of the revisions to estimates for periods prior to February 1978.
34. Paragraph 21 outlines the definition of marital status now used in the labour force survey. In conjunction with the revision of estimates back to February 1978 to conform to revised population estimates, a revision to take account of the new definition of marital status was also applied. Consequently, estimates of marital status contained in this publication are not comparable with estimates published before the February 1984 issue of this publication which classified as married all respondents who reported that they were married or separated. The revision to the marital status classification was undertaken in two parts. Firstly, for all surveys from February 1978, persons who reported that they were separated, were reclassified as not married. Secondly, from June 1983 onwards, in addition to including persons reported as separated, the not-married category includes persons who although reported as married, did not, at the time of the survey, have a spouse who was a usual resident of the household.

## Survey sample

35. For detailed information on sample design and selection see the Technical note in The Labour Force, Australia, 1978 (6204.0).
36. The population survey sample is reselected every five years to allow data from the latest census of population and housing to be used to improve the efficiency of the population survey sample design. The latest reselection, which used data from the 1981 Census, was introduced for the October 1982 survey.
37. The sampling fraction differs for States and Territories. This is designed to enable estimates of reasonable accuracy to be produced from all States and Territories as well as for Australia. Sampling fractions for each State and Territory are as follows: New South Wales and Victoria, 1 in 200; Queensland, 1 in 140; Western Australia, South Australia, Northern Territory and Australian Capital Territory, 1 in 100; and Tasmania, 1 in 60.

## Reliability of the estimates

38. Estimates in this publication are subject to two sources of error:
(a) sampling error: since the estimates are based on information obtained from occupants of a sample of dwellings they, and the movements derived from them, 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.
(b) non-sampling error: inaccuracies may occur because of imperfections in reporting by respondents and interviewers and errors made in the coding and processing of data. These inaccuracies may occur in any enumeration, whether it be a full count or 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.

## Differences between population census and population survey estimates

39. The results of the 1981 Census of Population and Housing show that labour force figures derived from the census differ from estimates derived from the labour force surveys.
40. The broad concepts underlying the measures of the labour force and its components, employment and unemployment, are similar in the census and the survey. However there are considerable differences in both the collection methodology adopted (including the detailed questions asked) and estimation procedures. Factors contributing to differences in estimates include underenumeration in the population census for which census labour force estimates have not been adjusted, the use in the labour force survey of population benchmarks derived from incomplete information about population change (see paragraph 28), the inclusion of permanent defence forces in census estimates, the personal interview approach adopted in the survey as opposed to selfenumeration of census schedules, differing questions used to determine labour force characteristics (particularly the identification of unemployed persons) and, differing methods of adjustment for non-response to the survey or census.
41. The labour force survey provides detailed and up-to-date estimates of employment and unemployment for Australia and States, whereas the census of population and housing provides less detailed counts for small areas.
42. These considerations should be borne in mind if comparisons are made between population census and labour force survey estimates.

## Seasonal adjustment

43. Seasonally adjusted series are published in Table 2. As happens with all seasonally adjusted series, the seasonal factors are reviewed annually to take account of each additional year's original data. The latest review, in February 1984, revised the monthly series back to February 1978. Information about the method of adjustment and revised seasonally adjusted figures for all months since February 1978 were published in an appendix to the February 1984 issue of this publication.
44. The large increase in unemployment in 1982 and 1983 may have been accompanied by a change in the seasonal pattern. It would not be possible to quantify any such change adequately until some additional years' data are a vailable. Particular care should therefore be exercised in interpreting current movements in these seasonally adjusted estimates.

## Gross flows

45. In order to minimise respondent burden 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.
46. 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.
47. The procedures used to select persons in nonprivate $d$ wellings 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.
48. Changes in the characteristics of this latter group are shown in the gross flows table. 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.
49. Gross flow estimates 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.
50. 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 underlie the changes in monthly levels. When comparing flows 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.
51. While every effort is made to reduce non-sampling errors to a minimum, any such errors affecting labour force 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 the Technical note. For these reasons the estimates of flows should be used with caution. The standard errors may be obtained from Table A of the Technical note.
52. Estimates of total flows into or out of the employed category may be less than the sum of the estimates for employed full time and employed part time as the estimates for the latter two categories include movements between these two categories.

## Labour force status and other characteristics of families

 53. As a part of survey procedures, family relationships are determined each month, enabling both the estimation of persons cross-classified by their family status and the estimation of families. Tables 29 and 30 show the labour force status and family status of individuals while in Tables 31 and 32, estimates of families classified by family type, number of family members, number of children aged 0-14 present and the labour force status of persons within families can be found.54. Because of the coverage rules of the population survey which associate persons with particular dwellings so that each person has an equal chance of selection in the survey, persons who usually live with other members of their family may, at the time of the survey, be enumerated as not living with all the usual members of their family. This situation is more likely for persons who are enumerated as visitors to other private dwellings or as persons staying in non-private dwellings (hotels, caravan parks, hospitals, etc.). The determination of family structure and family characteristics in such cases is most difficult. Thus, family information was not obtained for the following persons:
(a) all persons enumerated in non-private dwellings (including hotels, motels, hospitals and other institutions); and
(b) persons enumerated as visitors to (rather than usual residents of private dwellings.
55. In addition, in those private dwellings where it was not possible to obtain information relating to all the usual residents, no family information was recorded. Thus the family characteristics of persons living in families which include a member of the permanent defence forces, who is outside the scope of the population
survey, are not determined because family information could not be obtained from each usual resident. Similarly families which at the time of the survey have one or more of their members away from the usual residence, are also excluded from family determination. Table 29 summarizes those persons for whom family information was obtained as well as those usual residents of private dwellings for whom complete family information could not be obtained, and those persons specifically excluded from the family determination procedures. The table shows that family status was determined in this survey for $11,023,900$ persons out of a total of $11,808,000$ civilians aged 15 and over-a coverage of 93.4 per cent. The table also shows the labour force status of persons for whom family status was not determined.
56. Additional and more detailed family information can be found in the annual publication Labour Force Status and Other Characteristics of Families (6224.0) of which July 1983 in the most recent release. Users should note that in the more detailed family estimates released annually, the classifications with and without dependent children present are used to describe types of individuals or families. Dependent children comprise all family members aged 0-14 and all family members aged 15 to 20 who are full-time students. The family data contained in this publication are classified by with or without children aged 0-14 present rather than by with or without dependent children aged 0-14 present.

## Additional data

57. Estimates for employed persons classified by industry, occupation and status of worker are available each February, May, August and November, and the following tables are published in issues of this publication for those months.

> Employed persons-
> Industry and occupationFull-time and part-time workers
> Status of worker
> Age and birthplace
> Hours worked
> Industry by occupation
> Industry subdivisions
> Major and minor occupation groups
58. Other unpublished data from labour force surveys, including more detailed cross-classifications of revised estimates back to February 1978, are available on request.

## Related publications

59. Users may also wish to refer to the following publications which relate to the labour force and are available on request:

The Labour Force, Australia, Preliminary (6202.0)issued monthly
The Labour Force, New South Wales (6201.1)-issued quarterly
The Labour Force, Victoria (6201.2)-issued monthly
The Labour Force, Queensland (6201.3)-issued quarterly
The Labour Force, South Australia (6201.4)-issued quarterly
Tasmania's Labour Force, 1976 to 1982-paper issued by ABS Tasmanian Office, November 1982
Labour Statistics, Australia, 1982 (6101.0)
Job Vacancies, Australia (6231.0)-issued quarterly
Information Paper: Questionnaires used in the Labour Force Survey, August 1984 (6232.0)
Employed Wage and Salary Earners, Australia (6248.0)-issued quarterly

Overtime, Australia (6330.0)-issued quarterly
Persons not in the Labour Force, Australia (6220.0)issued twice-yearly
Labour Force Status and Other Characteristics of Families (6224.0)-issued annually
Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime (6256.0)

Social Indicators No. 31980 (4101.0)
60. Current publications produced by the ABS are listed in the Catalogue of Publications, Australia (1101.0). The ABS also issues, on Tuesdays and Fridays, a Publications Advice (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

## Symbols and other usages

* subject to sampling variability too high for most practical uses. See paragraph 6 of the Technical note
n.a. not available
.. not applicable
n.e.c. not elsewhere classified

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

R. J. CAMERON Australian Statistician

EMPLOYED PERSONS


FULL-TIME AND PART-TIME WORKERS






## UNFMPIOYMENT RATES

GHF UNFMPIOYEDIN EACH GROUP AS A PERCFNTAGF OF IHE GIVIIIAN IABOLIR FORCF

I.ABOI:R FORCE PARTICIPATION RATES

table 1. labour forge status of the civilian population aged 15 and over

table 1. labour pobce status of the civilian population aged ls and over (continued)


Standarderror of -
sepreaber 1984
estimatea
Aug 84 to Sept 84
movements
wovements
$15.1 \quad 16.0$
10.410 .9

| 3.1 | 7.2 | 4.0 | 7.7 |
| :--- | :--- | :--- | :--- |
| 2.8 | 5.7 | 3.5 | 6.0 |

16.4
14.5

| . | 0.1 | 0.1 |
| :--- | :--- | :--- |
| . | 0.1 | 0.1 |

table 2. Civilian labour porce: seasonally adjusted series


|  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| August | 1,511.2 | 2,346.3 | 37.0 | 207.9 | 67.0 | 274.9 | 2,621.2 | 10.5 | 44.5 |
| Septeaber | 1,528.3 | 2,358.6 | 42.6 | 218.2 | 73.6 | 291.8 | 2,650.4 | 11.0 | 44.9 |
| october | 1.528.9 | 2,363.0 | 37.4 | 206.6 | 65.0 | 271.6 | 2,634.6 | 10.3 | 44.6 |
| November | 1,536.8 | 2,382.6 | 36.5 | 196.9 | 68.4 | 265.3 | 2.647 .9 | 10.0 | 44.8 |
| December | 1,534.6 | 2.395 .4 | 35.5 | 196.5 | 63.4 | 259.9 | 2,655.3 | 9.8 | 44.8 |
|  |  |  |  |  |  |  |  |  |  |
| January | 1.534.0 | 2,396.5 | 31.8 | 194.2 | 65.8 | 260.0 | 2.656 .5 | 9.8 | 44.8 |
| Pebruary | 1,532.8 | 2.393 .9 | 38.8 | 198.3 | 65.0 72.8 | 263.2 270.4 | $2,657.1$ $2,697.9$ | 9.9 10.0 | 44.7 |
| March | 1,547.4 | 2,427.6 | 34.1 | 197.6 | 72.8 | 270.4 283.9 | $2,697.9$ $2,727.5$ | 10.4 | 45.8 |
| April | 1,537.8 | 2,443.7 | 33.0 | 205.4. | 78.4 | 283.9 | 2,699.3 | 19.3 | 45.8 |
| May | 1,540.3 | 2,448.2 | 31.4 | 191.3 | 59.8 | 251.1 | 2,699.3 | 9.7 | 45.7 |
| June | 1.555.3 | 2,466.8 | 36.4 | 193.7 | 70.4 | 264.1 | 2,731.0 | 9.7 | 45.7 |
| July | 1,561.9 | 2.453.1 | 35.8 | 190.1 | 66.5 | 256.5 | 2,709.6 | 9.5 | 45.3 |
| Augupt | 1,572.5 | 2.458 .4 | 33.6 | 173.6 176.5 | 65.5 72.1 | 239.0 248.6 | $2,697.4$ 2.732 .2 | 8.9 9.1 | 45.0 45.6 |
| Septenber | 1,559.8 | 2,483.5 |  |  |  |  |  |  |  |
| PERSONS |  |  |  |  |  |  |  |  |  |
| 1983 - 60.2 |  |  |  |  |  |  |  |  |  |
| August | 5,202.1 | 6.271.9 | 74.3 | 629.9 | 89.0 | 718.9 | 6,990.8 | 10.3 | 60.2 60.6 |
| September | 5,248.3 | 6,308.6 | 78.9 | 632.0 | 98.2 | 730.2 | 7,038.8 | 10.4 |  |
| october | 5,246.1 | 6,317.4 | 74.4 | 614.5 | 82.5 | 697.0 | 7,014.4 | 9.9 | 60.3 60.4 |
| November | 5,269.6 | 6,357.2 | 72.2 | 586.7 | 92.7 85.3 | 679.4 663.7 | 7,036.6 |  | 60.4 |
| December | 5,283.8 | 6,390.9 | 69.2 | 578.4 | 85.3 | 663.7 | 7,054.6 |  | 60.5 |
| 1984 - 9 , 90.3 |  |  |  |  |  |  |  |  |  |
| January | 5,263.2 | 6,376.6 | 64.3 | 573.7 | 93.1 | 666.8 | 7,043.4 | 9.5 |  |
| Pebruary | 5,285.9 | 6,397.7 | 73.4 | 573.2 | 87.6 | 660.8 | 7.058 .5 | 9.4 | 60.3 |
| March | 5,347.7 | 6.466.9 | 70.2 | 566.7 | 95.3 | 662.1 678.6 | 7.128 .9 7.160 .9 | 9.3 9.5 | 60.8 61.0 |
| April | 5,326.0 | 6.482 .3 | 75.6 | 578.5 | 100.1 | 678.6 | 7,160.9 | 9.5 |  |
| May | 5,340.5 | $6,491.1$ | 69.5 80.0 | 551.4 563.7 |  |  | 7.126 .1 7.179 .2 | 8.9 9.3 | 60.6 61.0 |
| June | 5,362.2 | 6,514.7 | 80.0 74.3 | 563.7 543.6 | 100.8 84.8 | 664.4 628.5 | 7.145.2 | 8.8 | 60.7 |
| July | 5,364.2 | 6.516.8 | 74.3 | 543.6 | 84.8 89.9 | 628.5 634.2 | 7,145.2 | 8.9 | 60.4 |
| Auguet | 5,368.6 | 6.493 .9 | 76.2 67.9 | 544.3 528.7 | 89.9 99.5 | 638.2 | 7.147 .9 | 8.8 | 60.5 |
| Septeaber | 5,362.5 | 6,519.7 | 67.9 | 528.7 | 99.5 | 628.2 | 7.147 .9 |  |  |

table 3. labode porce status of the civilian population aged is and over: marital status, septembee 1984

table 4. labour porce status op tab civiliag population agbd 15 abd over: States and teraitories, September 1984

table 5. labour porce status of the civilian population aged 15 and over: state capital cities, september 1984


## TABLE 6. LABOUR FORCE STATUS OF THE CIVILIAN POPULATION AGED 15 AND OVBR: australian capital territory, septembea 1984



[^0]table 7. Labour porce status of tar civilian population aged is to 19: SCHOOL ATTEADABCE(a), SEPTEMBER 1984

table 8. labour porce status of tae civilian population aged 20 to 24, septemege 1984

table 9. Civilian labour force by birthplace, septehber 1984



| Labour | Unemp <br> loyaent <br> force | Partici- |
| ---: | ---: | ---: |
|  | pation |  |
|  | rate (a) |  |



| $2,792.1$ | 2.992 .3 |
| ---: | ---: |
| $1,012.0$ | $1,066.7$ |
| 32.1 | 33.7 |
| 30.3 | 32.6 |
| 121.9 | 132.2 |
| 15.1 | 15.7 |
| 13.2 | 14.6 |
| 761.9 | 799.2 |
| 41.3 | 43.1 |
| 44.5 | 45.4 |
| 103.7 | 107.9 |
| 27.6 | 28.0 |
| 36.9 | 37.8 |
| 17.7 | 18.4 |
| 378.9 | 400.9 |
| 52.1 | 54.0 |
| 65.8 | 69.0 |
| 55.5 | 58.0 |

males



|  |  |  |
| ---: | ---: | ---: |
| 544.1 | $1,059.1$ | 25.6 |
| 264.0 | 430.1 | 27.7 |
| 11.3 | 16.7 |  |
| 10.1 | 15.6 |  |
| 39.0 | 54.9 | 9.7 |
| 5.1 | 5.9 |  |
| 187.8 | 318.0 | 14.5 |
| 10.3 | 17.5 |  |
| 19.3 | 27.2 |  |
| 20.0 | 34.5 |  |
| 5.4 | 8.9 |  |
| 5.8 | 13.6 |  |
| 5.7 | 7.0 |  |
| 84.1 | 157.1 |  |
| 18.9 | 25.6 |  |
| 15.8 | 24.9 |  |
| 12.9 | 20.4 |  |


| 56.0 | $1,115.1$ |
| ---: | ---: |
| 40.6 | 470.6 |
| $*$ | 17.4 |
| 12.2 | 17.3 |
| $*$ | 67.1 |
| $*$ | 4.8 |
| 22.7 | 340.5 |
| $*$ | 18.5 |
| $*$ | 27.6 |
| $*$ | 36.2 |
| $*$ | 9.8 |
| $*$ | 14.7 |
| 11.4 | 76.9 |
| $*$ | 28.5 |
| $*$ | 28.2 |
| $*$ | 22.3 |


| 5.0 | 43.1 |
| :---: | :---: |
| 8.6 | 47.7 |
| * | 57.8 |
| * | 52.0 |
| 18.2 | 48.8 |
| * | 26.1 |
| * | 57.8 |
| 6.7 | 46.2 |
| * | 43.7 |
| * | 53.2 |
| * | 35.7 |
| * | 43.1 |
| * | 41.7 |
| * | 43.8 |
| 6.7 | 47.1 |
| * | 61.3 |
| * | 56.5 |
| * | 54.9 |

all pemales

| Born in Auetralia |
| :---: |
| ```Born outside Auetralia Africa``` |
| America |
| Aaia |
| Lebanon |
| Vietram |
| Europe |
| Germany |
| Greece |
| Italy |
| Kalea |
| Netherlande |
| Poland |
| Uk and Ireland |
| Yugoslavia |
| Oceania |
| Nev Zealand |


|  |  |
| ---: | ---: |
| $1,173.5$ | 1.901 .3 |
| 405.2 | 612.5 |
| 17.6 | 24.8 |
| 16.4 | 24.1 |
| 62.5 | 84.6 |
| 9.6 | 10.8 |
| 274.7 | 433.3 |
| 14.4 | 23.1 |
| 22.5 | 30.8 |
| 26.2 | 42.9 |
| 7.1 | 11.3 |
| 9.1 | 17.5 |
| 6.9 | 8.8 |
| 139.3 | 230.7 |
| 23.5 | 30.9 |
| 34.0 | 45.8 |
| 26.8 | 36.4 |

117.5
51.5
15.8
$\vdots$
27.2
$\vdots$
$\vdots$

$\vdots$

4.3
5
174.9
69.6
19.5
49.0
4
$\vdots$

$\vdots$
21.5
6.8
$2,076.2$
682.1
26.4
26.7
104.1
7.3
15.0
472.3
24.9
31.9
45.2
12.7
19.1
10.0
252.1
34.9
52.6
40.8

| 8.4 | 46.7 |
| :---: | :---: |
| 10.2 | 47.4 |
| * | 55.6 |
| * | 54.8 |
| 18.8 | 49.4 |
| * | 29.9 |
| * | 60.5 |
| 8.3 | 45.2 |
| * | 43.1 |
| * | 50.2 |
| * | 36.3 |
| * | 44.9 |
| - | 42.5 |
| * | 36.4 |
| 8.5 | 46.6 |
| * | 55.8 |
| 12.9 | 60.0 |
| * | 58.8 |


| Born in Augtraila |
| :---: |
| Born outelde Australia |
| Africa |
| America |
| AEIa |
| Lebanon Vietnar |
| Burope |
|  |  |
|  |
| Greece |
| Italy |
| Malta |
| Netherlands |
| Poland |
| UX and Ireland |
| Yugotavia |
|  |  |
|  |


| 3.965 .6 | 4.893 .6 |
| ---: | ---: |
| $1,417.2$ | 1.679 .2 |
| 49.8 | 58.5 |
| 46.7 | 56.7 |
| 184.4 | 216.8 |
| 18.5 | 19.6 |
| 22.7 | 25.4 |
| $1,036.5$ | 1.232 .5 |
| 55.7 | 66.2 |
| 67.0 | 76.2 |
| 129.8 | 150.8 |
| 34.7 | 39.3 |
| 46.0 | 55.3 |
| 24.6 | 27.2 |
| 518.2 | 631.5 |
| 75.6 | 84.9 |
| 99.8 | 114.8 |
| 82.2 | 94.5 |

353.6
164.5
5.9
41.6
9.8
11.1
99.5
5.8
11.2
4

50.0
10.0
14.4
11.7

5.326 .5
$1,867.7$
61.9
63.6
263.1
29.8
37.4
$1,347.9$
71.1
82.4
163.0
41.8
60.7
30.1
691.1
95.9
131.3
107.3

61.6
62.9
67.3
66.2
62.1
55.5
68.8
61.7
62.8
64.6
58.7
67.2
61.7
50.6
62.2
68.6
75.1
75.6
(a) See the definition of the labour force participation rate in the explanatory notes.
table 10. Civilian labour force born outside australia: birthplace and period op arrival in australia, septerber 1984

(a) See the definition of the labour force participetion rate in the gaplagatory notes.
table 1l. Civilian labour force, by age, september 1984
$15-64$
$15-19$
$20-24$
$25-34$
$35-44$
$45-54$
$55-59$
$60-64$
65 and over
Total


| Malee | Peanlee |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Married | $\begin{array}{r} \text { Hot } \\ \text { married } \end{array}$ | Total | Persons |
| 84.9 | 48.8 | 62.7 | 53.9 | 69.5 |
| 59.9 | 48.1 | 58.4 | 58.0 | 59.0 |
| 89.8 | 58.7 | 82.5 | 72.9 | 81.4 |
| 95.6 | 50.3 | 73.4 | 56.0 | 75.8 |
| 95.0 | 60.1 | 67.8 | 61.4 | 78.4 |
| 90.9 | 50.4 | 56.1 | 51.4 | 71.5 |
| 71.9 | 27.6 | 35.5 | 29.7 | 54.0 |
| 45.6 | 10.6 | 13.6 | 11.6 | 28.1 |
| 9.1 | 3.0 | 2.2 | 2.5 | 5.3 |
| 76.3 | 44.2 | 48.7 | 46.0 | 60.9 |

table 12. labour force participation rates (a). by age and birthplacbe september 1984 (per ceat)

|  |  | Born in Auetralie |  |  | Born outaide Australia |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ago group |  | Males | perales | Pereone | Males | pabales | Persone |
| 15-64 |  | 85.6 | 54.0 | 69.6 | 86.0 | 54.4 | 70.9 |
| 15-19 |  | 62.5. | 59.7 | 61.1 | 57.7 | 52.8 | 55.4 |
| 20-24 |  | 91.9 | 73.3 | 82.6 | 84.8 | 71.8 | 78.4 |
| 25-34 | : | 96.4 | 54.7 | 75.7 | 94.8 | 60.4 | 77.3 |
| 35-44 |  | 95.7 | 60.3 | 77.9 | 94.7 | 64.2 | 80.2 |
| 45-54 |  | 91.3 | 51.6 | 71.1 | 91.0 | 51.5 | 73.1 |
| 55-59 |  | 78.5 | 29.6 | 53.3 | 78.9 | 30.4 | 56.8 |
| 60-64 |  | 43.3 | 11.8 | 26.3 | 52.6 | 11.4 | 33.5 |
| 65 and over |  | 10.8 | 2.9 | 6.2 | 7.0 | 2.4 | 4.6 |
| Total |  | 71.5 | 46.7 | 61.6 | 77.4 | 47.4 | 62.9 |

(a) See the definition of the labour force participation ratein the giplanatary notea.
table 13. employed persons: pull-time and part-time worrers, by ageg septenber 1984 ( ${ }^{\circ} 000$ )

| . | Age group |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-59 | 60-64 | $\begin{gathered} 65 \text { and } \\ \text { over } \end{gathered}$ | Totel |
| males |  |  |  |  |  |  |  |  |  |
| Pull-tiae vorkers | 234.0 | 480.5 | 1,080.6 | 941.6 | 645.4 | 265.1 | 120.4 | 36.5 | 3,804.2 |
| Part-elte vorkere | 72.8 | 39.0 | 38.4 | 25.5 | 22.6 | 14.4 | 19.0 | 23.3 | 254.9 |
| Total | 306.8 | 519.5 | 1,119.0 | 967.1 | 668.0 | 279.5 | 139.3 | 59.8 | 4.059 .1 |
| married females |  |  |  |  |  |  |  |  |  |
| Pull-tine workere | 7.0 | 111.2 | 241.4 | 241.7 | 156.5 | 38.0 | 8.4 | * | 808.1 |
| Part-time workers | * | 32.2 | 200.1 | 249.0 | 139.7 | 35.9 | 16.2 | 6.6 | 681.0 |
| Tozal | 8.3 | 143.4 | 441.5 | 490.6 | 296.2 | 73.9 | 24.5 | 10.6 | 1.489.1 |
| all pemales |  |  |  |  |  |  |  |  |  |
| Pull-tiae workers | 186.3 | 349.5 | 423.3 | 322.0 | 208.1 | 62.1 | 18.1 | 9.3 | 1.578.7 |
| Part-time vorkers | 108.1 | 81.7 | 231.5 | 274.5 | 159.3 | 44.6 | 22.0 | 13.5 | 935.1 |
| Total | 294.5 | 431.2 | 654.8 | 596.5 | 367.4 | 106.7 | 40.0 | 22.8 | 2,513.8 |
| PRESONS |  |  |  |  |  |  |  |  |  |
| Full-time workers | 420.3 | 830.0 | 1,503.9 | 1,263.6 | 853.5 | 327.2 | 138.4 | 45.8 | 5,382.9 |
| Part-time vorkere | 180.9 | 120.7 | 269.8 | 300.0 | 181.9 | 59.0 | 40.9 | 36.8 | 1,190.0 |
| Total | 601.2 | 950.7 | 1,773.7 | 1,563.6 | 1,035.4 | 386.2 | 179.4 | 82.6 | 6,572.9 |

TABLE 14. GOURS WOREED BY BMPLOTED PERSONS, SEPTBMBER 1984

|  | Pasales |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Males | Martied | $\begin{array}{r} \text { Not } \\ \text { aerried } \end{array}$ | Total | Parsone |
|  | NUMBER EMPLOYED ( ${ }^{\circ} \mathrm{O} 00$ ) |  |  |  |  |
|  |  |  |  |  |  |
| 1-15 | 144.4 | 284.8 | 142.0 | 426.8 | 571.1 |
| 16-29 | 200.4 | 283.6 | 93.8 | 377.4 | 577.8 |
| 30-34 | 264.8 | 121.0 | 14.4 | 195.4 | 460.2 |
| 35-39 | 702.2 | 227.7 | 231.5 | 459.2 | 1,161.4 |
| 40 | 1,018.4 | 241.3 | 272.7 | 514.0 | 1.532.3 |
| 41-44 | 239.8 | 45.3 | 45.3 | 90.7 | 330.4 |
| 45-48 | 361.9 | 40.8 | 39.6 | 80.4 | 442.3 |
| 49 and over | 823.2 | 90.3 | 42.7 | 133.1 | 956.3 |
| Total | 4.059.1 | 1.489 .1 | 1,024.7 | 2,513.8 | 6,572.9 |
| HEEKLY HOURS MORRED |  |  |  |  |  |
| Aggregate veekly houre vorked (aillion) | 157.8 | 40.0 | 31.2 | 71.2 | 228.9 |
| By full-tine vorkera | 153.8 | 29.9 | 27.8 | 57.7 | 211.5 |
| By part-time vorkers | 3.9 | 10.1 | 3.4 | 13.5 | 17.4 |
| Average veekly bourt worked | 38.9 | 26.8 | 30.5 | 28.3 | 34.8 |
| By full-time workers | 40.4 | 37.0 | 36.1 | 36.6 | 39.3 |
| By part-tima wortere | 15.4 | 14.8 | 13.5 | 14.4 | 14.6 |
| Average veokly houra vorked by pereone who vorked one hour or aore in the |  |  |  |  |  |
| -urvey veek | 42.0 | 29.9 | 33.1 | 31.3 | 38.0 |
| By full-tiae workera | 43.7 | 40.8 | 39.2 | 40.0 | 42.6 |
| ay part-tiae vorkere | 16.7 | 16.7 | 14.7 | 16.2 | 16.3 |




TABLE 16. FULL-time WORRERS WHO WORESD LESS THAN 35 HOURS, EY REASOR, SEPTEMBER 1984 ( ${ }^{\circ} 000$ )

| Resson for working lees than 35 bours | Males | Married | marifed | Total | Parsone |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Leave, holiday or flextise | 369.0 | 100.8 | 80.9 | 181.7 | 550.7 |
| Ova illaese or injury | 138.1 | 40.8 | 36.6 | 77.4 | 215.5 |
| Bad veather, pliant breakdown, etc. | 18.7 | * | * | * | 19.9 |
| Began or left jobin the eurver week | 11.9 | $\stackrel{\square}{*}$ | * | 6.3 | 18.2 |
| Stood down, on hort tiae, ineufficient vork | 32.6 | 8.0 | * | 9.7 | 42.3 |
| Shift vork, Etandard vork arrangemente | 69.4 | 9.0 | 12.8 | 21.8 | 91.1 |
| other reasone | 18.9 | 4 | * | - | 22.3 |
| Total | 658.7 | 162.7 | 138.8 | 301.4 | 960.1 |

TABLE 17. PART-time workers: Mhether preferred to worr more hours, by age, septenber 1984 ( ${ }^{\circ} 000$ )


TABLE 18. PART-TIME WORRERS: WBETHER PREPERRED TO WORK MORE HOURS, BY GOURS WORRED, SEPTEMBER 1984 ( ${ }^{-000}$ )

|  | Hours vorked by persone who worked in the urvey week |  |  |  |  |  | Persons who <br> did not vork in the aurvey week | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1-5 | 6-10 | 11-15 | 16-20 | 21-29 | 30-34 |  |  |
| males |  |  |  |  |  |  |  |  |
| Total | 33.7 | 52.7 | 28.7 | 35.1 | 41.9 | 42.1 | 20.7 | 254.9 |
| Preferced not to vork more hours | 22.5 | 37.4 | 19.3 | 22.2 | 30.5 | 35.6 | 14.9 | 182.5 |
| Preferred to vork more hours | 11.2 | 15.2 | 9.4 | 12.9 | 11.3 | 6.5 | 5.8 | 72.4 |
| Had actively looked for full-tine vork in the four weeke to the end of the survey week | 5.4 | 8.4 | 6.1 | 8.8 | 5.3 | * | * | 39.3 |
| hareied pekales |  |  |  |  |  |  |  |  |
| Total | 69.5 | 114.8 | 91.4 | 135.1 | 115.6 | 74.9 | 79.7 | 681.0 |
|  | $56.2$ | 99.9 | 81.2 | 123.7 | 105.1 | 71.4 | 72.6 | 610.1 |
| Preferred to work more hours | $13.3$ | 14.9 | 10.2 | $11.4$ | 10.6 | * | 7.1 |  |
| Had actively looked for full-time work in the four weeks to the ad of the survey week | , --- | 5.0 | ---- |  | - 5.8 | ---- | * | 11.6 |
| all pemales |  |  |  |  |  |  |  |  |
| Total | 113.2 | 174.7 | 122.9 | 173.3 | 145.2 | 105.3 | 100.5 | 935.1 |
| Proferred not to vork more hours | 87.0 | 147.2 | 106.5 | 148.9 | 124.0 | 96.5 | 89.3 | 799.5 |
| Preferred to work more hours | 26.2 | 27.5 | 16.4 | 24.5 |  |  |  |  |
| Had actively looked for full-time work in the four weeks to the end of the survey week | 5.8 | 6.8 | * | 9.1 | 5.7 | * | * | 36.0 |
| PERSONS |  |  |  |  |  |  |  |  |
| rocal | 146.9 | 227.3 | 151.6 | 208.4 | 187.1 | 147.4 | 121.2 | 1,190.0 |
| Preferred not to work more hours | 109.5 | 184.6 | 125.9 | 171.1 | 154.6 | 132.1 | 104.2 | 982.0 |
| Preferred to vork more hours <br> Had actively looked for full-time vork | 37.4 | 42.7 | 25.8 | 37.3 | 32.5 | 15.3 | 17.0 | 208.1 |
| in the four weoke to the end of the survey ueak | 11.2 | 15.2 | 9.2 | 17.8 | 10.9 | 6.2 | 4.8 | 75.3 |

TABLE 19. UNEMPLOPED PERSONS: STATES, BT AGE, SEPTEMBER 1984 ( ${ }^{-} 000$ )

| Age group | $\begin{aligned} & \text { Nev South } \\ & \text { Wales } \end{aligned}$ | Victoria | Queeraland | $\begin{array}{r} \text { South } \\ \text { Auseralia } \end{array}$ | Weataro Australia | Tasmana | Australie(a) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| males |  |  |  |  |  |  |  |
| 15-19 | 27.9 | 19.2 | 17.1 | 9.7 | 7.5 | 3.4 | 85.8 |
| 20-24 | 25.9 | 16.8 | 14.0 | 7.5 | 8.9 | 3.3 | 77.5 |
| 25-34 | 34.5 | 17.3 | 16.1 | 8.0 | 8.9 | 3.5 | 89.9 |
| 35 and over | 49.4 | 25.4 | 19.9 | 13.1 | 12.1 | 2.9 | 123.6 |
| Totel | 137.7 | 78.7 | 67.1 | 38.3 | 37.4 | 13.1 | 376.8 |
| Perates |  |  |  |  |  |  |  |
| 15-19 | 24.2 | 20.7 | 11.5 | 8.2 | 5.0 | 1.5 | 72.8 |
| 20-24 | 11.7 | 10.3 | 8.8 | 5.6 | 6.6 | 1.5 | 51.8 |
| 25-34 | 19.9 | 10.7 | 7.1 | 4.9 | 6.0 | 1.7 | 51.9 |
| 35 and over | 22.7 | 19.7 | 10.7 | 5.2 | 6.7 | 2.1 | 68.0 |
| Total | 84.5 | 61.4 | 38.2 | 23.9 | $240^{\circ}$ | 6.8 | 244.5 |
| persors |  |  |  |  |  |  |  |
| ```Looking for full-time vork-- 15-19``` | 41.3 | 30.0 | - 21.2 | 15.3 | 9.4 | 4.5 | 122.9 |
| 20-24 | 38.1 | 24.9 | 21.0 | 12.4 | 13.5 | 4.2 | 116.5 |
| 25-34 | 46.2 | 23.2 | 20.0 | 10.8 | 12.6 | 4.6 | 119.4 |
| 35-44 | 32.3 | 14.9 | 13.1 | 6.3 | 9.2 | 1.8 | 77.9 |
| 45-54 | 20.1 | 11.7 | 8.4 | 5.3 | 4.8 | 1.4 | 51.9 |
| Ss and over | 11.0 | 7.4 | 3.5 | 4.3 | * | * | 29.5 |
| Total looking for full-time work | 188.9 | 112.2 | 87.1 | 54.3 | 51.4 | 17.5 | 518.1 |
| Total - |  |  |  |  |  |  |  |
| 15-19 | 52.1 | 39.9 | 28.6 | 17.9 | 12.5 | 4.9 | 158.6 |
| 20-24 | 43.6 | 27.0 | 22.9 | 13.1 | 15.5 | 4.7 | 129.3 |
| 25-34 | 54.4 | 28.0 | 23.2 | 12.9 | 15.0 | 5.2 | 141.7 |
| 35-44 | 36.5 | 22.8 | 16.3 | 7.6 | 11.3 | 2.4 | 97.7 |
| 45-54 | 21.9 | 13.5 | 9.8 | 5.7 | 5.4 | 1.6 | 58.4 |
| 55 end over | 13.7 | 8.8 | 4.5 | 4.9 | - | 1.0 | 35.5 |
| Total | 222.2 | 140.1 | 105.3 | 62.1 | 61.8 | 19.8 | 621.3 |

TABLE 20. UNEMPLOYED PERSONS AGBD 15-19:
DURATIOA OF UAEMPLOYMENT AND SCHOOL ATTEXDABCE, SEPTEMBER 1984


```
Duration of unemplogment (wecka) -
    Under 4
        #
        6 and over
    Total
```


### 12.1 11.6 13.4

NUMBEE ( ${ }^{\circ} \mathbf{0 0 0}$ )
26.7
38.9
18.9
74.1
74.1
158.6

ADERAGE DORATION OP UGEMPLOYMEAT (weekE)
Mean duration -
Malea
Pemales
Porsooting for full-time vork
Looking for full-time vork
Looking for part-tioe vork
Median duration -
Males
Paralea
Persong fooking for full-time vork
Look Looking for part-tiae vork
18.8
16.9
17.8
16.9
17.8
19.9
17.8
19.9
16.9
47.3
43.9
45.8
46.7
24.7
22.6
23.7
23.7
9.0
7.0
8.0
9.0
8.0
29.0
30.0
29.1
30.0
19.0
17.0
17.1
19.0
33.2
29.5
31.5
35.2
18.7
23.1
17.1
19.1
26.0
table 21. UNEMPLoyed persons, by age and whetere looring for full-time or part-time worr, september 1984

|  | Number unemploged ( ${ }^{(000)}$ |  |  |  |  | Unemployment rate (per cent) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Males |  | Pearleg |  |  | Males |  | Femalea |  |  |
|  | Married | Total | Married | Total | Persone | Married | Total | Married | Total | Persons |
|  |  |  | LOOKING | PULL-T | ( WORK |  |  |  |  |  |
| Total | 140.5 | 349.1 | 53.3 | 168.9 | 518.1 | 5.1 | 8.4 | 6.2 | 9.7 | 8.8 |
| Aged 15-19 | * | 69.1 | * | 53.8 | 122.9 | , | 22.8 | * | 22.4 | 22.6 |
| Looking for first job | $*$ | 29.2 | * | 26.2 | 55.4 | $\cdots$ | .. | . | . | . |
| Attending achool | * | 7.4 | * | 5.3 | 12.7 | n.a. | n.a. | п.a. | -. ${ }^{\text {a }}$ | n.a. |
| Aged 20 and over | 139.6 | 280.0 | 51.0 | 115.1 | 395.2 | 5.1 | 7.3 | 6.0 | 7.6 | 7.4 |
| $20-24$ | 11.0 | 74.4 | 9.1 | 42.1 | 116.5 | 9.3 | 13.4 | 7.5 | 10.7 | 12.3 |
| looking for first job | * | * | * | 6.6 | 10.8 | .. | . . | . . |  |  |
| 25-34 | 46.0 | 86.7 | 18.0 | 32.6 | 119.4 | 5.7 | 7.4 | 6.9 | 7.2 | 7.4 |
| 35-44 | 33.9 | 52.5 | 17.2 | 25.4 | 77.9 | 4.0 | 5.3 | 6.6 | 7.3 | 5.8 |
| 45-54 | 28.1 | 39.8 | 5.5 | 12.1 | 51.9 | 4.7 | 5.8 | 3.4 | 5.5 | 5.7 |
| 55 and over | 20.7 | 26.6 | * | * | 29.5 | 5.4 | 5.9 | , | * | 5.5 |
| Aged 15-64 | 140.2 | 348.8 | 53.1 | 168.7 | \$17.6 | 5.2 | 8.5 | 6.2 | 9.7 | 8.8 |
|  | - |  | LOOXING | PART-T | (E HORK |  |  |  |  |  |
| Total | * | 27.7 | 43.3 | 75.6 | 103.3 | * | 9.8 | 6.0 | 7.5 | 8.0 |
| Aged 15-19 | * | 16.7 | * | 19.0 | 35.7 | * | 18.7 | - | 13.0 | 16.5 |
| Attending echool | * | 12.7 | * | 14.7 | 27.4 | * | 22.3 | * | 19.3 | 20.6 |
| Aged 20 and over | * | 10.9 | 43.1 | 56.6 | 67.5 | * | 5.7 | 6.0 | 6.4 | 6.3 |
| 20-24 | * | ) 6.2 | 4.6 | 9.7 | 12.8 | * | ) 7.5 | 12.5 | 10.6 | 9.6 |
| 25-34 | * | ) | 16.4 | 19.3 | 22.4 | * | ) | 7.6 | 7.7 | 7.7 |
| 35-44 | * | $) 4.7$ | 15.6 | 19.0 | 19.8 | * | $) 4.3$ | 5.9 | 6.5 | 6.2 |
| 45 and over | * |  | 6.5 | 8.6 | 12.5 | * | ) | 3.2 | 3.5 | 3.8 |
| Aged 15-64 | * | 27.3 | 43.3 | 75.4 | 102.7 | * | 10.6 | 6.0 | 7.6 | 8.2 |
| total |  |  |  |  |  |  |  |  |  |  |
| Toral | 144.5 | 376.8 | 96.6 | 244.5 | 621.3 | 5.1 | 8.5 | 6.1 | 8.9 | 8.6 |
| Aged 15-19 | * | 85.8 | * | 72.8 | 158.6 | * | 21.9 | * | 19.8 | 20.9 |
| Attending school | , | 20.1 | * | 20.0 | 40.2 | * | 29.3 | * | 23.9 | 26.4 |
| Aged 20 and over(a) | 143.6 | 291:0 | 94.1 | 171.7 | 462.7 | 5.0 | 7.2 | 6.0 | 7.2 | 7.2 |
| 20-24 | 11.1 | 77.5 | 13.7 | 51.8 | 129.3 | 9.1 | 13.0 | 8.7 | 10.7 | 12.0 |
| 25-34 | 47.3 | 89.9 | 34.4 | 51.9 | 141.7 | 5.7 | 7.4 | 7.2 | 7.3 | 7.4 |
| 35-44 | 34.3 | 53.3 | 32.8 | 44.4 | 97.7 | 4.0 | 5.2 | 6.3 | 6.9 | 5.9 |
| 45-54 | 28.4 | 40.5 | 10.5 | 17.9 | 58.4 | 4.7 | 5.7 | 3.4 | 4.6 | 5.3 |
| 55-59 | 11.7 | 16.2 | * | - | 20.4 | 4.6 | 5.5 | * | * | 5.0 |
| 60-64 Aged $15-64$ | 10.2 143.9 | 12.9 376.1 | 96.4 | 244.1 | 14.1 620.3 | 8.0 5.1 | 8.5 8.6 | 6.1 | 8.9 | 7.3 |

(a) Include unemployed peraone aged 65 and over, details for uhomare not ahovi eparately.
table 22. UnEmploted persons: birtrplace by age, septembrr 1984

table 23. unemployed persons, by duration of unemployment and age, etc., september 1984




|  | Peasons |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | - 0000 - |  |  |  |  |  |  |  |  |
| Under 2 | 12.3 | 7.7 | 8.7 | 11.0 | 41.3 | 17.9 | 23.4 | 22.1 | 19.2 |
| 2 and under 4 | 14.4 | 14.9 | 15.1 | 12.2 | 59.6 | 24.5 | 35.2 | 42.6 | 17.0 |
| 4 and under 8 | 19.5 | 11.2 | 13.9 | 16.1 | 62.7 | 24.2 | 38.6 | 51.1 | 11.6 |
| 8 and under 13 | 19.4 | 12.1 | 14.4 | 12.0 | 59.8 | 22.0 | 37.8 | 48.1 | 11.7 |
| 13 and under 26 | 18.9 | 18.5 | 21.4 | 15.1 | 76.7 | 29.0 | 47.7 | 68.1 | 8.5 |
| 26 and under 39 | 29.9 | 17.5 | 18.0 | 15.6 | 85.5 | 25.5 | 60.0 | 71.2 | 14.4 |
| 39 and under 52 | 15.0 | 6.6 | 8.0 | 8.4 | 40.1 | 11.9 | 28.2 | 35.5 | 4.6 |
| 52 and under 65 | 9.9 | 8.8 | 10.7 | 14.6 | 46.3 | 18.8 | 27.5 | 40.3 | 6.0 |
| 65 and under 104 | 9.7 | 9.3 | 9.3 | 14.8 | 47.7 | 21.3 | 26.4 | 45.1 | * |
| 104 and over | 9.6 | 22.7 | 22.2 | 36.2 | 101.5 | 46.1 | 55.5 | 93.9 | 7.6 |
| Total | 158.6 | 129.3 | 141.7 | 156.1 | 621.3 | 241.1 | 380.2 | 518.1 | 103.3 |
|  |  |  |  |  | eka - |  |  |  |  |
| Average duratioo - |  |  |  |  |  |  |  |  |  |
| Mean | 31.5 | 46.2 | 44.5 | 58.6 | 46.6 | 50.6 | 44.0 | 50.5 | 27.0 |
| Median | 19.1 | 26.0 | 22.1 | 34.2 | 26.1 | 26.0 | 26.1 | 29.1 | 8.0 |

(a) Inciudes peraone aged 55 and over, deralle for uhomare not shoun separarely.
table 24. UnEMPloyed persons: industry and occupation of last full-time job AND DURATION OF UNEMPLOYMENT, SEPTEMBER 1984

Duration of uneaployment (weeks)
 Under 4 under 8 under 13 under 26 under 39 under 65 over Males Femalea person

```
Had worked full time for two veeks
    or more in the last tuo years
    Induatry division or subdivision -
        Agriculture, forestry, fishing f huntiog
            agriculture dervicee to egriculture
            Manuiacturiag
                Pood, beverages and tobacco
                Meral products
                Other manufacturing
            Conetruceion
            Wholegale and retall trade
            Wholegale crade
            Retall trade
            Trangport and etorage
            Finance, property businesem eervices
            Community fropervices
            Recreation, persocal s other aervices
            Other induatries
    Occupation group -
            Profeasional, techoical, etc.
            Clerical
            Sales
            farmers, fishermen, otc.
            Traneport and communication
            Tradeamen, production-procese workers
            and labourera, a.e.c.
            Service, sport and recreation
            other occupatione
Other
    Looking for firat job
    Looking for firgt job
    Other
Stood down
Total
```


table 25. Unemployed persons: age and active steps taken to find work, septehber l984 ( ${ }^{-000}$ )

|  |  |  | Persons |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Males | Females | $\begin{gathered} \text { Aged } \\ 15-19 \end{gathered}$ | $\begin{array}{r} \text { Aged } \\ 20-24 \end{array}$ | Aged 25 and over | Total |
| Took active steps to find work | 370.8 | 235.9 | 155.4 | 126.8 | 324.6 | 606.7 |
| Wrote, phoned or applied in person to -n omployer | 278.1 | 175.3 | 115.3 | 96.3 | 241.7 | 453.3 |
| Anavered a nevipaper advertisement for - job | 12.5 | 10.5 | 5.6 | 5.6 | 11.8 | 23.0 |
| Checked factory or Commonvealth Eaployment Service noticeboarda | 50.4 | 29.1 | 21.3 | 16.5 | 41.7 | 79.4 |
| Been regietered with the Coomonueath Eaployment Service | 24.4 | 12.2 | 8.7 | 7.3 | 20.6 | 36.6 |
| Checked or regietered with any other eaployaent agency <br> Advertised or tendered for vork | * | * | * | * | $\stackrel{*}{*}$ | * |
| Contacted relatives or friends | * | 7.0 | * | * | 6.8 | 10.8 |
| Stood down | 5.9 | 8.7 | * | * | 8.8 | 14.6 |
| Total | 376.8 | 244.5 | 158.6 | 129.3 | 333.4 | 621.3 |

table 26. persons not in the labour force: age and marital status, septerber 1984

| Age group | Hales |  |  | Feasles |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Married | $\begin{array}{r} \text { Not } \\ \text { married } \end{array}$ | Total | Married | $\begin{array}{r} \text { Not } \\ \text { aarcied } \end{array}$ | Total | Persone | Proportion of population |
|  |  |  |  | - 0000 - |  |  |  | - per cent - |
| 15-19 | * | 262.9 | 263.0 | 11.7 | 253.9 | 265.7 | 528.7 | 41.0 |
| 20-24 | 4.7 | 63.1 | 67.8 | 110.5 | 69.1. | 179.6 | 247.4 | 18.6 |
| 25-34 | 21.0 | 34.7 | 55.7 | 470.7 | 83.7 | 554.4 | 610.0 | 24.2 |
| 35-44 | 31.9 | 21.2 | 53.2 | 347.8 | 55.7 | 403.5 | 456.6 | 21.6 |
| 45-54 | 46.9 | 24.4 | 71.3 | 302.2 | 61.6 | 363.8 | 435.1 | 28.5 |
| 55-59 | 61.0 | 22.8 | 83.8 | 198.7 | 63.8 | 262.5 | 346.2 | 46.0 |
| 60-64 | 145.1 | 36.3 | 181.4 | 212.7 | 101.5 | 314.2 | 495.6 | 71.9 |
| 65-69 | 171.5 | 43.8 | 215.2 | 166.0 | 110.1 | 276.1 | 491.3 | 91.1 |
| 70 and over | 259.7 | 125.4 | 385.1 | 184.3 | 433.4 | 617.7 | 1,002.8 | 96.6 |
| Total | 742.0 | 634.5 | 1,376.5 | 2,004.6 | 1,232.8 | .3,237.4 | 4,613.8 | 39.1 |

table 27. persons not in tee labour force: werther looking for work, etc., september 1984

|  | Males |  |  | Pemales |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Merried | Not |  | Not |  |  | Persone |
|  |  | married | Total | Married | married | Total |  |
| Looking for work | 11.0 | 31.3 | 42.3 | 30.5 | 31.4 | 61.9 | $104.2$ |
| Took active itepa to find work(s) | 6.3 | 22.6 | 28.9 | 10.3 | 16.6 . | 26.9 | $55.8$ |
| Did not take active steps to find vork | 4.7 | 8.7 | 13.4 | 20.2 | 14.8 | 35.0 | 48.4 |
| Not looking for work | 695.2 | 533.4 | 1,228.6 | 1,953.0 | 1.098.2 | 3,051.2 | 4.279 .8 |
| Permaneatly unable to vork | 18.8 | 13.3 | 32.1 | 8.1 | 15.3 | 23.4 | 55.4 |
| In insticutions | 17.0 | 56.5 | 73.5 | 13.0 | 87.9 | 100.9 | 174.4 |
| Total | 742.0 | 634.5 | 1,376.5 | 2,004.6 | 1.232.8 | 3,237.4 | 4,613.8 |

[^1]table 28: estimates of lasour force status and gross changes (flows) derived from matched records AUGUST 1984 AND SEPTEMBER 1984 ('000)

|  | September 1984 | Males | Femalea |  | Persons |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Labour force status in Auguet 1984 |  |  | Married | Total |  |
| Employed full time | Euployed full time | 2,907.8 | 575.9 | 1,134.5 | 4,042.3 |
|  | Eaployed part tiae | 37.4 | 36.8 | 55.0 | 92.4 |
|  | Unemployed | 23.6 | * | 11.0 | 34.6 |
|  | Not in the labour force | 17.1 | 16.7 | 22.1 | 39.2 |
| Eaployed part time | Eaployed full tiae | 46.6 | 41.8 | 62.2 | 108.8 |
|  | Eaployed part time | 123.1 | 451.9 | 605.9 | 729.0 |
|  | Unemployed | 9.9 | 1.1 | 11.8 | 21.7 |
|  | Not in the labour force | 14.5 | 43.7 | 57.6 | 72.0 |
| Unemployed | Employed full time | 36.3 | * | 14.2 | 50.4 |
|  | Employed part time | 12.8 | 10.2 | 19.8 | 32.7 |
|  | Unemployed | 209.8 | 32.3 | 99.3 | 309.1 |
|  | Not in the labour force | 24.4 | 20.9 | 37.3 | 61.7 |
| Not in the labour force | Employed full tiae | 31.2 | 21.2 | 30.0 | 61.1 |
|  | Eaployed part time | 22.9 | 61.0 | 83.8 | 106.7 |
|  | Unexployed | 33.3 | 32.6 | 62.9 | 96.1 |
|  | Not in the labour force | 932.5 | 1,508.9 | 2,355.7 | 3,288.2 |
| Total flows into | Employed | 103.2 | 96.7 | 147.8 | 250.9 |
|  | Full time | 114.0 | 67.3 | 106.3 | 220.4 |
|  | Patt time | 73.1 | 108.0 | 158.6 | 231.8 |
|  | Unemployed | 66.7 | 42.8 | 85.8 | 152.5 |
|  | Not in the labour force | 55.9 | 81.3 | 117.0 | 172.9 |
| Total flows out of | Euployed | 65.0 | 70.6 | 102.5 | 167.5 |
|  | Pull time | 78.1 | 56.6 | 88.1 | 166.2 |
|  | Part time | 70.9 | 92.6 | 131.6 | 202.6 |
|  | Unemployed | 73.5 | 35.4 | 71.3 | 144.8 |
|  | Not in the labour force | 87.3 | 114.8 | 176.6 | 263.9 |
| Total changes of status |  | 225.8 | 220.8 | 350.5 | 576.3 |
| Population represented by the matched sample |  | 4,482.9 | 2,868.4 | 4.663 .2 | 9,146.1 |

table 29. pamily status of the civilian population aged is and over: sumbary table, september lob

table 30. pamily status and labour force status of persons aged is and over(a), september 1984


| males |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Meaber of a family | 3.173 .9 | 200.2 | 3.374 .1 | 266.6 | 289.4 | 3.663 .5 | 1.028.3 | 4.691 .7 | 7.9 | 18.1 |
| Husband | 2.521.2 | 102.0 | 2.623.2 | 133.6 | 137.7 | 2,760.8 | 690.3 | 3.451 .1 | 5.0 | 80.0 |
| With children aged 0-14 present | 1.512.5 | 36.1 | 1.548 .5 | 84.2 | 85.9 | 1,634.5 | 67.2 | 1.701.7 | 5.3 | 96.1 |
| Wichout children ared 0-14 present | 1,008.7 | 65.9 | 1.074 .6 | 49.4 | 51.7 | 1.126.4 | 623.1 | 1.749.5 | 4.6 | 64.4 |
| Not-marifed family head | 54.7 | * | 58.5 | 7.7 | 8.5 | 67.0 | 31.1 | 98.1 | 12.6 | 68.3 |
| With children axed 0-14 present | 17.4 | * | 18.7 | * | * | 22.1 | 6.7 | 28.8 | * | 76.7 |
| Without children aped 0-14 present | 37.3 | * | 39.8 | 4.7 | 5.1 | 44.9 | 24.4 | 69.3 | 11.3 | 64.8 |
| child (b) of family head | 555.4 | 91.9 | 647.3 | 115.9 | 133.1 | 780.4 | 271.2 | 1.051 .6 | 17.1 | 74.2 |
| Other relative of family head | 42.5 | * | 45.1 | 9.3 | 10.2 | 55.3 | 35.7 | 90.9 | 18.5 | 60.8 |
| Not a member of a family | 467.7 | 40.2 | 507.8 | 57.9 | 61.2 | 569.1 | 176.9 | 745.9 | 10.8 | 76.3 |
| Living alone | 219.6 | 18.1 | 237.8 | 22.5 | 23.8 | 261.5 | 129.8 | 391.3 | 9.1 | 66.8 |
| Not living alone | 248.0 | 22.0 | 270.1 | 35.4 | 37.5 | 307.5 | 47.1 | 354.6 | 12.2 | 86.7 |
| Total | 3.641.5 | 240.4 | 3.881.9 | 324.5 | 350.6 | 4.232 .5 | 1.205.1 | 5.437 .7 | 8.3 | 77.8 |


| Member of a family | 1.190 .0 | 830.1 | 2.020 .1 | 128.5 | 197.6 | 2.217 .7 | 2,525.9 | 4.743 .6 | 8.9 | 46.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Wife | 767.2 | 653.9 | 1.421.1 | 48.9 | 90.5 | 1.511 .6 | 1.893 .6 | 3.405.2 | 6.0 | 44.4 |
| With children aged 0-14 preaent | 310.7 | 417.1 | 727.8 | 29.2 | 61.5 | 789.3 | 870.5 | 1.659 .8 | 7.8 | 47.6 |
| Without children aged 0-14 present | 456.6 | 236.8 | 693.3 | 19.7 | 29.0 | 722.3 | 1.023 .2 | 1.745 .5 | 4.0 | 41.4 |
| Not-married family head | 90.1 | 52.5 | 142.6 | 12.9 | 21.2 | 163.8 | 277.7 | 441.5 | 13.0 | 37.1 |
| With children axed 0-14 present | 44.8 | 35.9 | 80.7 | 7.9 | 14.6 | 95.3 | 143.8 | 239.0 | 15.3 | 39.9 |
| Without chlidren aged 0-14 present | 45.4 | 16.6 | 61.9 | 5.0 | 6.6 | 68.6 | 133.9 | 202.5 | 9.7 | 33.9 |
| Child(b) of fanily head | 313.2 | 119.3 | 432.5 | 61.5 | 80.0 | 512.5 | 260.5 | 772.9 | 15.6 | 66.3 |
| Other relative of family head | 19.5 | 4.5 | 23.9 | 5.1 | 5.9 | 29.8 | 94.1 | 123.9 | 19.7 | 24.0 |
| Not a meuber of a fanily | 301.8 | 62.6 | 364.3 | 28.4 | 31.7 | 396.0 | 446.4 | 842.4 | 8.0 | 47.0 |
| Living alone | 124.3 | 26.5 | 150.8 | 7.5 | 8.3 | 159.1 | 395.8 | 554.9 | 5.2 | 28.7 |
| Not living alone | 177.5 | 36.1 | 213.5 | 20.9 | 23.4 | 236.9 | 50.6 | 287.5 | 9.9 | 82.4 |
| Total | 1.491 .8 | 892.6 | 2,384.4 | 156.9 | 229.3 | 2,613.7 | 2.972.3 | S.586.0 | 8.8 | 46.8 |


| Meaber of a family | 4.363 .9 | $1,030.3$ | 5,394.2 | 395.0 | 487.0 | 5.881.1 | 3.554.2 | 9.435 .3 | 8.3 | 62.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Husband or wife | 3,288.4 | 755.9 | 4.044 .3 | 182.5 | 228.2 | 4.272.4 | 2,583.9 | 6,856.4 | 5.3 | 62.3 |
| With children aged 0-14 present | 1.823 .1 | 453.2 | 2.276.3 | 113.4 | 147.4 | 2,423.8 | 937.7 | 3.361.4 | 6.1 | 72.1 |
| Without children aged 0-14 present | 1.465 .3 | 302.7 | 1.768 .0 | 69.2 | 80.7 | 1.848 .7 | 1.646 .3 | 3.494 .9 | 4.4 | 52.9 |
| Not-married family head | 144.8 | 56.3 | 201.1 | 20.6 | 29.7 | 230.8 | 308.8 | 539.6 | 12.9 | 42.8 |
| Wich children ared 0-14 present | 62.1 | 37.2 | 99.4 | 10.8 | 18.0 | 117.4 | 150.5 | 267.8 | 15.3 | 43.8 |
| Without children aged 0-14 present | 82.7 | 19.1 | 101.8 | 9.7 | 11.7 | 113.5 | 158.3 | 271.8 | 10.3 | 41.7 |
| Child (b) of family head | 868.6 | 211.2 | 1.079 .8 | 177.4 | 213.1 | 1,292.8 | 531.7 | 1.824 .5 | 16.5 | 70.9 |
| Other relative of family head | 62.0 | 7.0 | 69.0 | 14.5 | 16.1 | 85.1 | 129.7 | 214.8 | 18.9 | 39.6 |
| Not a wember of a family | 769.4 | 102.7 | 872.1 | 86.3 | 92.9 | 965.1 | 623.3 | 1.588 .3 | 9.6 | 60.8 |
| Living alone | 343.9 | 44.6 | 388.5 | 30.0 | 32.1 | 420.7 | 525.5 | 946.2 | 7.6 | 44.5 |
| Not living alone | 425.5 | 58.1 | 483.6 | 56.3 | 60.8 | 544.4 | 97.7 | 642.2 | 11.2 | 84.8 |
| Total | 5,133.3 | 1,133.0 | 6,266.3 | 481.3 | 579.9 | 6.846.2 | 4.117 .4 | 11.023 .6 | 8.5 | 62.1 |

 (b) Aged 15 and over.
table 31. all families (a): type of pamily, number of pahily members and ehployment status (b). september laba ( ${ }^{-000}$ families)

|  | None employed |  |  | One emoloyed |  |  | Two or more employed |  |  | Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Number of family membera(c) | $\begin{array}{r} \text { None } \\ \text { uneap- } \\ \text { loyed } \end{array}$ | $\begin{array}{r} \text { One or } \\ \text { more } \\ \text { unemp- } \\ \text { loyed } \end{array}$ | Total | $\begin{aligned} & \text { None } \\ & \text { uneap- } \\ & \text { loyed } \end{aligned}$ | One or more unew $\boldsymbol{p}^{-}$ loyed | Total | None loyed | $\begin{gathered} \text { one or } \\ \text { more } \\ \text { unemp- } \\ \text { loyed } \end{gathered}$ | Total | None uneaployed | $\begin{gathered} \text { Oae or } \\ \text { more } \\ \text { uneap- } \\ \text { loved } \end{gathered}$ | Total |
|  | MARRIPD-COUPLE families |  |  |  |  |  |  |  |  |  |  |  |
| Two | 468.2 | 26.5 | 494.7 | 240.2 | 18.3 | 258.5 | 398.1 | -• | 398.1 | 1.106.6 | 44.8 | 1.151 .4 |
| Three | 33.7 | 29.2 | 62.9 | 245.3 | 33.8 | 279.1 | 335.1 | 15.7 | 350.8 | 614.1 | 78.8 | 692.8 |
| Four | 17.6 | 33.8 | 51.4 | 314.7 | 44.8 | 359.5 | 482.2 | 33.5 | 515.7 | 814.5 | 112.1 | 926.6 |
| Pive | 6.9 | 16.3 | 23.2 | 171.1 | 22.3 | 193.4 | 237.6 | 27.7 | 265.3 | 415.6 | 66.3 | 481.9 |
| Six or more | 4.6 | 13.0 | 17.6 | 55.1 | 10.2 | 65.3 | 97.6 | 17.9 | 115.5 | 157.3 | 41.1 | 198.4 |
| Total | 531.0 | 118.8 | 649.9 | 1.026 .4 | 129.5 | 1.155 .8 | 1.550 .6 | 94.8 | 1.645 .4 | 3,108.0 | 343.1 | 3.451.1 |

other families hith a male head

| Tvo | 12.2 | 5.8 | 18.0 | 22.0 | 6.4 | 28.4 | 19.3 | 19.3 | 53.5 | 12.2 | 65.7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Three | * | * | 4.8 | 8.2 | * | 9.6 | 5.7 | 8.5 | 16.9 | 6.0 | 22.9 |
| Four or more | * | * | * | * | * | * | * | * | 6.6 | * | 9.5 |
| Total | 16.2 | 7.8 | 24.0 | 33.4 | 8.9 | 42.3 | 27.5 | 31.8 | 77.1 | 21.0 | 98.1 |

other families with a pemale head
Tuo
Three
Four
Five or more
Total

| 85.6 |  | 19.7 |  | 105.3 | 102.0 | 5.8 | 107.9 | 29.7 |  |  |  | 29.7 | 217.3 | 25.5 | 242.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 49.2 |  | 9.4 |  | 58.6 | 33.4 | 6.9 | 40.2 | 24.4 | ) | 5.0 | ( | 27.8 | 106.9 | 19.7 | 126.6 |
| 18.7 | ) |  | $($ | 22.1 | 12.9 | * | 16.3 | 10.6 | , |  | ( | 13.1 | 42.1 | 9.3 | 51.5 |
| 7.6 | ) | 5.3 | ( | 9.5 | * | * | 4.6 | 4.5 |  | * |  | 6.5 | 16.0 | 4.6 | 20.6 |
| 161.1 |  | 34.4 |  | 195.4 | 152.2 | 16.8 | 169.0 | 69.1 |  | 8.0 |  | 77.1 | 382.4 | 59.1 | 441.5 |

other families: total.

| Two | 97.8 |  | 25.5 |  | 123.3 | 124.1 | 12.2 | 136.2 | 49.0 |  |  |  | 49.0 | 270:8 |  | 37.7 |  | 308.5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| three | 52.2 |  | 11.2 |  | 63.4 | 41.6 | 8.3 | 49.9 | 30.1 |  | 6.3 |  | 36.3 | 123.8 |  | 25.7 |  | 149.6 |
| Pour | 19.3 | ) | 5.2 | ( | 22.8 | 15.2 | 4.5 | 19.6 | 12.8 | ) | 4.9 | $($ | 16.4 | 47.2 |  | 11.6 |  | 58.8 |
| Pive | 6.1 | ) |  | $($ | 7.8 | ) |  |  |  | () |  | ( | 4.9 | 14.0 | ) |  | ( | 17.2 |
| Six or more | * |  | * |  | + | ) 4.8 | * | 5.5 | 4.7 | ( | * |  | * | * | , | 5.1 | < | 5.6 |
| Total | 177.3 |  | 42.1 |  | 219.4 | 185.6 | 25.7 | 211.3 | 96.6 |  | 12.3 |  | 108.9 | 459.5 |  | 80.1 |  | 539.6 |


| Two | 566.0 | 52.0 | 618.0 | 364.3 | 30.5 | 394.8 | 447.1 |  | 447.1 | 1.377.4 | 82.5 | 1,459.9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Three | 85.9 | 40.4 | 126.3 | 286.9 | 42.1 | 329.0 | 365.1 | 22.0 | 387.1 | 737.9 | 104.5 | 842.4 |
| Pour | 36.9 | 37.3 | 74.2 | 329.8 | 49.3 | 379.1 | 495.0 | 37.1 | 532.1 | 861.7 | 123.7 | 985.4 |
| Five | 13.0 | 18.0 | 31.0 | 175.3 | 22.5 | 197.9 | 241.2 | 29.0 | 270.2 | 429.6 | 69.5 | 499.1 |
| Six or mote | 6.6 | 13.2 | 19.8 | 55.7 | 10.7 | 66.4 | 98.7 | 19.1 | 117.7 | 160.9 | 43.1 | 204.0 |
| Total | 708.4 | 160.9 | 869.3 | 1.212 .0 | 155.1 | 1,367.1 | 1.647 .2 | 107.2 | 1.754 .3 | 3.567.5 | 423.2 | 3.990.7 |

[^2]table 32. all fahilies (a): type of family, number of children aged o-la present. and labour gorce status (b). september lab ( ${ }^{-000}$ families)

| Number of children aged $0-14$ | present |  |
| :--- | :--- | :--- | :--- |
| None | One | Two or gore |

## no fahily member employed

| Married-couple faellies | 537.2 | 37.5 | 75.2 | 649.9 |
| :---: | :---: | :---: | :---: | :---: |
| One or both epouses uneaployed (c) | 32.2 | 22.1 | 49.3 | 103.5 |
| Husband unemployed, wife unemployed | 7.7 | * | 7.6 | 18.3 |
| Husband unemploved. wife not in the labour force | 22.6 | 18.3 | 40.6 | 81.5 |
| Noither pouse unemployed | 505.1 | 15.4 | 25.9 | 546.4 |
| Other families | 69.7 | 74.7 | 75.0 | 219.4 |
| Family head unemployed | 5.9 | 10.4 | 6.0 | 22.3 |
| Male head unemployed | * | , | * | 6.0 |
| Feale head unemployed | * | 7.9 | 5.4 | 16.3 |
| Family head not unemployed | 63.8 | 64.3 | 69.1 | 197.2 |
| Male head not in the labour force | 12.6 | * | * | 18.0 |
| Female head not in the labour force | 51.2 | 61.7 | 66.3 | 179.2 |
| All families | 606.9 | 112.2 | 150.2 | 869.3 |

one or more pamily members employed

| Married-couple families | 386.4 | 230.1 | 539.4 | 1.155 .8 |
| :---: | :---: | :---: | :---: | :---: |
| One or both spouses unemploged (c) | 29.1 | 21.8 | 37.8 | 88.7 |
| Husband eaployed, uife uneaployed | 13.0 | 15.1 | 30.8 | 58.9 |
| Husband unemployed. Wife eaployed | 9.8 | * | 5.1 | 18.3 |
| Husband unemployed, wife unemployed | * | * | * | * |
| Husband uneaployed, Uife not in the labour force | 5.5 | * | * | 9.3 |
| Neither spouse unemploged | 357.3 | 208.3 | 501.6 | 1.067.1 |
| Husband eaployed, wife not in the labour force | 266.4 | 199.8 | 492.8 | 959.0 |
| Husband not in the labour force. Uife employed | 30.3 | 4.6 | 7.2 | 42.1 |
| Husband not in the labour force, wife not in the labour force | 60.5 | * | * | 66.0 |
| Other families | 113.4 | 62.6 | 35.3 | 211.3 |
| Family head unemployed | * | * | * | 5.5 |
| Male head unemployed | * | * | * | * |
| Fewale head ineaployed | * | * | * | * |
| Fanily head not unemployed | 109.4 | 61.3 | 35.1 | 205.8 |
| Male head employed | 12.8 | 9.2 | 6.9 | 28.9 |
| Female head eaployed | 15.4 | 42.6 | 23.8 | 81.8 |
| Male head not in the labour force | 10.2 | * | * | 11.4 |
| Female head not in the labour force | 71.0 | 8.8 | * | 83.8 |
| All fanlice | 499.7 | 292.7 | 574.7 | 1.367.1 |

total

| Martied-couple families | 1.749 .5 | 610.2 | 1.091 .4 | 3,451.1 |
| :---: | :---: | :---: | :---: | :---: |
| One or both spouses uneaployed(c) | 72.3 | 47.6 | 89.8 | 209.7 |
| Husband employed, wife unemployed | 18.1 | 17.4 | 32.1 | 67.6 |
| Husband uneaplayed. Wife employed | 13.3 | 4.8 | 5.6 | 23.8 |
| Husband uneaployed. wife uneaployed | 8.6 | * | 8.1 | 20.3 |
| Husband unmployed. Wife not in the labour force | 29.8 | 21.2 | 42.7 | 93.6 |
| Neither spousc uneaployed | 1.677.1 | 562.6 | 1.001 .7 | 3,241.4 |
| Husband emploved, wife employed | 648.3 | 273.8 | 445.4 | 1.367 .5 |
| Hubband employed, wife notin the labour force | 408.2 | 260.8 | 519.1 | 1,188.1 |
| Husband not in the labour force, wife employed | 41.1 | 6.5 | 8.3 | 55.9 |
| Husband not ia the labour force. wife not in the labour force | 579.5 | 21.4 | 29.0 | 629.9 |
| Other fawilies | 271.8 | 152.6 | 115.2 | 539.6 |
| Fanily head unesployed | 11.7 | 11.7 | 6.3 | 29.7 |
| Male head unemployed | 5.1 | * | * | 8.5 |
| Pemale head unewploged | 6.6 | 8.9 | 5.7 | 21.2 |
| Pamily head not unemoloyed | 260.1 | 140.9 | 109.0 | 509.9 |
| Male head ewployed | 39.8 | 11.0 | 7.7 | 58.5 |
| Female head emploped | 61.9 | 53.8 | 26.9 | 142.6 |
| Male head not in the labour force | 24.4 | - | * | 31.1 |
| Feaale head not in the labour force | 133.9 | 72.6 | 71.2 | 271.7 |
| All families | 2,021.2 | 762.8 | 1.206.7 | 3.990 .7 |

(a) See Explanatory notes for exclusions to family tables.
(b) Labour force status refers to persone aged lis and over only.
(c) Includes a anali number of fagilies with husbad notin the labour force and wife unemployed.

## 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. Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling error. The sampling error is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings they, 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. The standard error can also be expressed as a percentage of the estimate, and this is known as the relative standard error.
4. Space does not allow for the separate indication of the standard errors of all estimates in this publication. 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 should be determined by using Tables A and B.
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. As the standard errors in Table A show, the smaller the estimate the higher is the relative standard error. 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 publication, estimates below the levels shown in Table C, and percentages based on such estimates, have not been included but are indicated with a **'. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable. See paragraph 9 concerning higher publication cut-off points for some estimates.
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. The estimates of standard error of monthly movements apply only to estimates of movements between
two consecutive months. Movements between corresponding months of consecutive quarters (quarterly movements), corresponding months of consecutive years (annual movements) and other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Table B. Standard errors of quarterly movements can be obtained by multiplying the figures in Table B by 1.4. Standard errors of all annual movements can be obtained by multiplying the figures in Table A by 1.4. When using Table A or Table B to calculate standard errors of movements, refer to the larger of the two estimates from which the movement is derived.
8. Examples of the calculation and use of sta ndard errors are given below:
(a) From Table $A$ it will be seen that the estimate of 349,100 unemployed males looking for full-time work in September 1984 has a standard error of about 6,300 . Therefore there are about two chances in three that the number that would have been obtained if all dwellings had been included in the survey would have been within the range 342,800 to 355,400 and about nineteen chances in twenty that it would have been within the range 336,500 to 361,700 .

(b) The estimate of movement in the number of unemployed males looking for full-time work from August to September 1984 is a decrease of 9,900 . 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 August 1984 estimate $(359,000)$ is the larger. From Table B it will be seen that the standard error of the monthly movement is about 5,100 . 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 $-15,000$ to $-4,800$ and about nineteen chances in twenty that it would have been within the range $-20,100$ to +300 .

9. The relative standard errors of estimates of aggregate hours worked, average hours worked, average duration of unemployment, and median duration of unemployment are obtained by first finding the relative standard error of the estimate of the total number of persons contributing to the estimate (see Table A) and then multiplying the figure so obtained by the following relevant factors:

Aggregate hours worked: 1.2
Average hours worked: 0.5
Average duration of unemployment: 1.5
Median duration of unemployment: 2.0
Publication cut-off points for these and other labour force estimates (see paragraph 6) are shown in Table C on the next page. Because of these higher relative standard errors, estimates of aggregate hours worked, a verage duration of unemployment, and median duration of unemployment have higher cut-off points for publication (see paragraph 6) than other estimates as shown in Table $A$.
10. An example of the calculation of standard errors by the use of these factors is as follows:

In September 1984 the estimate of median duration of unemployment for unemployed males was 30.1 weeks (from Table 23) and the number unemployed was estimated as 376,800 . From Table $\mathbf{A}$ it can be estimated that this figure $(376,800)$ has a standard error of about 6,500 and therefore a relative standard error of about 1.7 per cent. The relative standard error of the estimate of median duration of unemployment is calculated by multiplying this figure (1.7) by the appropriate factor shown in the previous paragraph (in this case 2.0): 1.7 x $2.0=3.4$ per cent. The standard error of this estimate of
median duration of unemployment is therefore 3.4 per cent of 30.1 , i.e. 1.0. Therefore there are about two chances in three that the median duration of unemployment for unemployed males that would have been obtained if all dwellings had been included in the survey would have been within the range 29.1 to 31.1 weeks and about nineteen chances in twenty that it would have been within the range 28.1 to 32.1 weeks.
11. The standard errors of estimates relating to agricultural employment are generally somewhat higher than the standard errors of other estimates of the same magnitude. Standard errors for capital cities are approximately the same as those for corresponding States.
12. The reliability of an estimated percentage or rate, computed by using sample data for both numerator and denominator, depends upon both the size of the numerator and the size of the denominator. However, the relative standard error of the estimated percentage will generally be slightly lower than the relative standard error of the estimate of the numerator. The relative standard errors of the numerators can be obtained from Table A.
13. 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 respondents, errors made in collection such as in recording and coding of data, and errors made in processing the data. Inaccuracies of this kind are referred to as the nonsampling error, and they may occur in any enumeration, whether it be a full count or 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.

TABLE A. STANDARD ERRORS OF ESTIMATES


TABLE B. STANDARD ERRORS OF ESTIMATES OF MONTHLY MOVEMENTS

| Size of larger estimate | N.S.W. | Vic. | Qld | S.A. | $\boldsymbol{W} . \boldsymbol{A}$. | Tas. | N.T. | A.C.T. | Ausiralia |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.000 |  |  |  |  |  | 210 |  |  |  |
| 1.500 |  |  |  |  |  | 250 |  |  |  |
| 1,800 |  |  |  |  |  | 260 | 370 |  |  |
| 2,000 |  |  |  |  |  | 270 | 380 | 370 |  |
| 2,500 |  |  |  | 490 | 520 | 290 | 420 | 390 |  |
| 3.000 |  |  |  | 520 | 560 | 310 | 460 | 410 |  |
| 3,500 |  |  | 730 | 540 | 590 | 330 | 490 | 430 |  |
| 4,000 |  |  | 760 | 570 | 610 | 340 | 520 | 450 |  |
| 4,500 | 1,100 | 1,100 | 790 | 590 | 640 | 360 | 550 | 460 | 1,100 |
| 5,000 | 1.100 | 1,100 | 820 | 610 | 660 | 370 | 570 | 480 | 1,200 |
| 6,000 | 1,200 | 1,200 | 880 | 650 | 700 | 390 | 620 | 500 | 1,200 |
| 10,000 | 1,400 | 1,400 | 1.000 | $\begin{array}{r}760 \\ \hline 930\end{array}$ | 830 | 460 | 760 | 570 | 1,500 |
| 20,000 | 1,800 | 1,700 | 1,300 | '930 | 1.000 | 550 | 1,000 | 670 | 2.000 |
| 50,000 | 2,500 | 2,300 | 1,700 | 1,200 | 1,300 | 690 | 1,400 | 790 | 2,700 |
| 100,000 | 3,200 | 2,800 | 2.100 | 1.400 | 1,600 | 810 |  | 880 | 3,400 |
| 200,000 | 3,900 | 3.300 | 2.500 | 1,700 | 1,900 | 920 |  |  | 4,300 |
| 300.000 | 4.400 | 3,700 | 2,800 | 1,900 | 2,100 |  |  |  | 4,900 |
| 500,000 | 5.100 | 4,200 | 3,200 | 2,100 | 2,300 |  |  |  | 5,700 |
| 1,000,000 | 6.100 | 4,900 | 3,800 |  |  |  |  |  | 6,800 |
| 2,000,000 | 7.200 | 5,600 |  |  |  |  |  |  | 8,200 |
| 5.000,000 |  |  |  |  |  |  |  |  | 10,000 |

TABLE C. PUBLICATION CUT-OFF POINTS FOR LABOUR FORCE ESTIMATES(a)

|  | N.S.W. | Vic. | Qld | S.A. | W.A. | Tas. | N.T. | A.C.T. |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Estimates classified by- |  |  |  |  |  |  |  |  |  |
| Aggregate hours worked | 5,400 | 5,400 | 4,200 | 3,000 | 3,000 | 1,200 | 2,200 | 2,400 |  |
| Average hours worked | 2,300 | 2,300 | 1,800 | 1,300 | 1,300 | 500 | 900 | 1,000 | 2,300 |
| Average (mean) duration of |  |  |  |  |  |  |  |  |  |
| $\quad$ unemployment | 6,800 | 6,800 | 5,300 | 3,800 | 3,800 | 1,500 | 2,700 | 3,000 | 6,800 |
| $\quad$ Median duration of unemployment | 9,000 | 9,000 | 7,000 | 5,000 | 5,000 | 2,000 | 3,600 | 4,000 | 9,000 |
| All other estimates | 4,500 | 4,500 | 3,500 | 2,500 | 2,500 | 1,000 | 1,800 | 2,000 | 4,500 |

(a) See paragraphs 6 and 9, pages 33 and 34.

## SUPPLEMENTARY AND SPECIAL SURVEYS RELATING TO THE LABOUR FORCE

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 are carried out from time to time. The results of these surveys on labour force and related topics are published separately as shown below.

| Alternative Working Arrangements, Australia, March-May 1982 | 6341.0 |
| :---: | :---: |
| Annual and Long Service Leave Taken, Australia, May 1983 to April 1984, Preliminary | 6331.0 |
| Assisted and Unassisted Migrants, August 1972; March 1980 | 3406.0 |
| Career Paths of Persons with Trade Qualifications, Australia, September to November 1982 | 6243.0 |
| Characteristics of Migrants Aged 18 Years and Over at Time of Arrival and who Arrived After 1960, Australia, March 1984, Preliminary | 6249.0 |
| Child Care-May 1969, 1973, 1977; June 1980 | 4402.0 |
| Educational Experience and Intentions Survey, Australia, 1979 | 42.2 .0 |
| Employed Married Women in the Labour Force, November 1979 (Queensland) | 6203.3 |
| Employment Benefits, February-May 1979, August 1983 | 6334.0 |
| Preliminary, August 1984 | 6332.0 |
| Employment Status of Teenagers, August 1978(a) | 6234.0 |
| Evening and Night Work, November 1976 | 6329.0 |
| Frequency of Pay, August 1974, 1976 and 1977 | 6320.0 |
| Income and Housing Survey, 1981-82- |  |
| Income of Individuals | 6502.0 |
| Income Distribution, Australia: Income Units | 6523.0 |
| Job Tenure. Annually. Latest issue August 1976 | 6211.0 |
| Journey to Work and Journey to School, May 1970; August 1974 | 9205.0 |
| Labour Force Experience. Annually. Latest issue February 1983 | 6206.0 |
| Preliminary, February 1984 | 6205.0 |
| Labour Force Status and Educational Attainment, Australia. Annually. Latest issue February 1984 | 6235.0 |
| Labour Force Status and Other Characteristics of Families. Annually. Latest issue July 1982 | 6224.0 |
| Labour Mobility. Annually. Latest issue February 1983 | 6209.0 |
| Preliminary, February 1984 | 6208.0 |
| Methods of Obtaining Jobs, July 1982 | 6245.0 |
| Migrants in the Labour Force, 1972 to 1976(a) | 6230.0 |
| Multiple Jobholding. Two-yearly. Latest issue August 1983 | 6216.0 |
| Persons Retired from Full-time Work, Australia, September 1983 | 6238.0 |
| Persons Aged 15 to 64 Years: Employment Status and Period Since Leaving School, May 1976 | 6225.0 |
| Persons Not in the Labour Force, Australia. Twice-yearly. Latest issue March 1984 | 6220.0 |
| Persons Looking for Work, Characteristics of. Annually. Latest issue July 1983 | 6222.0 |
| Post School Qualifications of Tradesmen and Other Employed Persons, New South Wales, November 1979 | 6202.1 |
| School Leavers, 1970 to 1974: Their Employment Status and Education Experience in May 1975 | 6226.0 |
| Superannuation, Australia, February 1974; September to November 1982 | 6319.0 |
| Survey of Persons Registered with the CES as Unemployed, March 1977 | 6229.0 |
| The Labour Force: Country of Birth and Period of Residence, February 1972 | 6207.0 |
| Trade Union Members, November 1976, March-May 1982 | 6325.0 |
| Transition From Education to Work (Including leavers from schools, universities, and other educational institutions). Annually. Latest issue May 1983 | 6227.0 |
| Preliminary, May 1984 | 6241.0 |
| Weekly Earnings of Employees (Distribution). Annually. Latest issue August 1983 | 6310.0 |
| Work Patterns of Employees, November 1976 | 6328.0 |
| Working Conditions, February-May 1979 | 6335.0 |
| Working Hours Arrangements, Australia, February-May 1981 | 6338.0 |
| Supplementary Tables | 6339.0 |

[^3]
[^0]:    (a) Excludes persons in inetitutions. See Explanatory notea.

[^1]:    

[^2]:    (a) See Explanatory notes for detailo of exclueions to family tables
    (b) Eaployment atatus referg to pergona ared 15 and over only.
    (c) Of any ase.

[^3]:    (a) Estimates derived from labour force surveys. For more recent estimates, see the relevant tables in this publication.

