



TRANSITION FROM EDUCATION TO WORK AUSTRALIA

(Including leavers from schools, universities and other educational institutions)

MAY 1981

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(Previously: *Leavers from schools, universities and other educational institutions*)

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EXPLANATORY NOTES

Introduction

In May 1981 a survey, based on the monthly population survey, was conducted throughout Australia to obtain information about persons aged 15 to 64 years who had attended a school, university or other educational institution during 1980 or were attending one at the time of the survey. Separate information was obtained in respect of persons who were full-time students in 1980 and had continued their full-time education in 1981 and those who had not returned to full-time education in 1981 (described in this publication as leavers).

2. Surveys on full-time attendance at an educational institution by persons aged 15 to 25 years (15 to 24 years prior to the 1977 survey) have been conducted each year since 1964. Results from some earlier surveys are shown in Table 15. Paragraphs 10 and 11 discuss the comparability of survey results.

3. Additional information was collected in the 1980 survey about part-time attendance by persons aged 15 to 25 years. The scope of the survey was further extended in May 1981 to include attendance by persons aged 26 to 64 years.

4. The survey was based on a multi-stage area sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.) and covered about two-thirds of one per cent of the population of Australia. The information was obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers, the interviews being conducted during the two weeks beginning on Monday, 11 May 1981.

Scope

5. The survey included all persons aged fifteen to sixty-four years except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- (c) overseas visitors holidaying in Australia;
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia; and
- (e) some patients in hospitals and sanatoria, or inmates of gaols, reformatories, etc. and persons reported as permanently unable to work. Estimates of the numbers of such persons are shown in Tables 1 and 2.

Definitions

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

7. An *educational institution* was defined as any institution whose primary role was education. Included were schools, universities, colleges of advanced education, public and private colleges, etc. Excluded were institutions whose primary role was not education, for example hospitals.

8. Persons were regarded as *attending an educational institution full time* if the institution which they attended so classified them or they considered themselves to be attending full time.

9. *Leavers from schools, universities or other educational institutions* were defined as persons who, at the time of the survey, were not attending an educational institution full time and who had completed or withdrawn from a course they were attending full time at an educational institution during the previous year.

Comparability of series

10. Because the August 1978 and subsequent survey estimates are based on revised population estimates derived from the results of the 1976 Population Census (adjusted for underenumeration) and a new population survey questionnaire, care should be used in comparing estimates with those shown in previous issues of this publication and estimates from earlier surveys shown in Table 15.

11. Other factors affecting comparability are:

- (a) The scope of surveys prior to 1977 was restricted to persons aged 15 to 24 years and from 1977 to 1980 inclusive, 15 to 25 years.
- (b) As the surveys include persons who were 15 years of age at the time of the survey, estimates of the number of students are affected by the timing of the surveys. For example, the estimate from a May survey would be higher than that from a February survey because most persons reaching 15 years of age between February and May would be students in May.
- (c) For the August surveys the category *continuing full-time studies* (previously *non-leavers*) was changed to include all persons who had attended an educational institution full time at some time in the current year and not only those who were attending full time at the time of the survey.
- (d) Before 1975 surveys were conducted in February, i.e. generally before the start of the academic year for tertiary courses and information was, of necessity, partly a reflection of expectations.
- (e) For surveys conducted in 1971 and earlier years trainee teachers (enrolled at Colleges of Advanced Education and in some cases also at other institutions) were classified as in the *labour force* but for later years have been included in the category *attended an educational institution full time in the previous year*. It is estimated that in August 1971 there were about 7,000 males and 17,000 females who were reclassified in population surveys as not in the labour force.

Reliability of the estimates

12. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability; that is, they may differ by chance from the figures that would have been produced if the information had been obtained from occupants of all dwellings. An indication of the likely differences is given in the Technical note. See also paragraph 9 of the Technical note regarding non-sampling errors.

Related publications

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

The Labour Force, Australia (6203.0)—issued monthly

Labour Force Experience, Australia, 1980 (6206.0)

Persons not in the Labour Force (Including discouraged jobseekers), Australia, March 1981 (6220.0)

Persons Looking for Work, Australia, July 1980 (6222.0)

Employment Status of Teenagers, Australia, August 1978 (6234.0)

14. 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 12 above.
- n.a. not available
- .. not applicable
- n.e.c. not elsewhere classified
- CAE College of Advanced Education
- TAFE College of Technical and Further Education

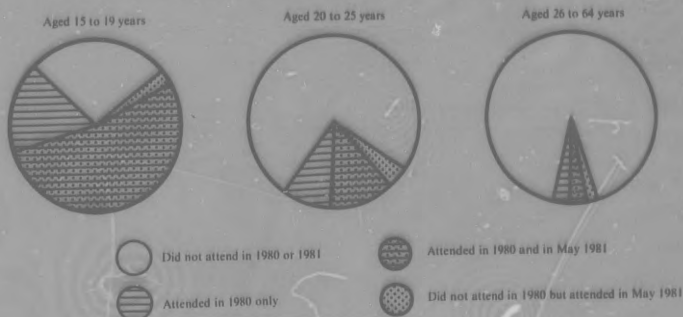
15. Because figures have been rounded, discrepancies may occur between sums of the component items and totals.

SECTION 1: SUMMARY OF FINDINGS

The following diagrams illustrate some of the main features from the survey; Diagrams 1 to 3 relate specifically to the May 1981 survey while Diagrams 4 and 5 also contain results from earlier surveys.

Diagram 1 shows that, of all persons aged 15 to 19 years, over half were attending an educational institution in May 1981 and had attended an educational institution in 1980. The greater majority of persons aged 20 to 64 years were not attending an educational institution in May 1981 nor attended one in 1980.

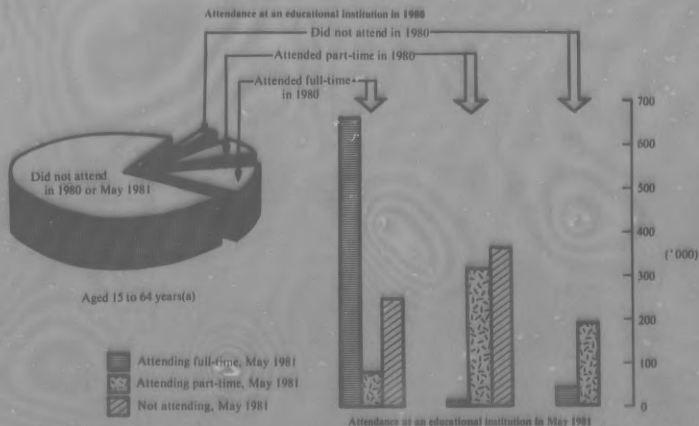
DIAGRAM 1. ATTENDANCE AT AN EDUCATIONAL INSTITUTION IN 1980 AND MAY 1981 (a)



(a) For scope, see Explanatory notes, paragraph 5.

Diagram 2 shows the proportion attending an educational institution in 1980 or in May 1981 by full-time or part-time attendance. Relatively few persons transfer from full-time to part-time attendance or from part-time to full-time attendance; rather, persons attending in 1980 either remained studying full time or part time or ceased attending altogether. Persons not attending an educational institution in 1980 were more likely to attend part time in 1981 than full time.

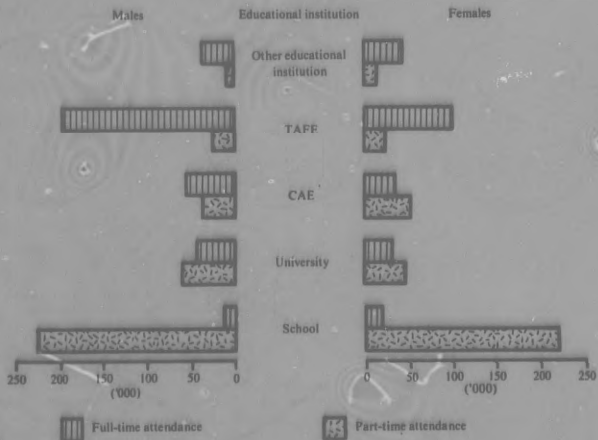
DIAGRAM 2. FULL-TIME AND PART-TIME ATTENDANCE AT AN EDUCATIONAL INSTITUTION IN 1980 AND IN MAY 1981 (a)



(a) For scope, see Explanatory notes, paragraph 5.

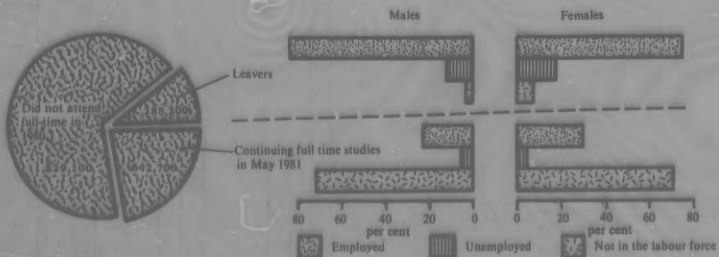
Diagram 3 highlights the very large number of persons, in particular males, attending TAFE institutions on a part-time basis. Males are also more likely to attend a CAE part time compared with females where a higher proportion study full time.

DIAGRAM 3. PERSONS AGED 15 TO 64 YEARS: TYPE OF EDUCATIONAL INSTITUTION ATTENDED, MAY 1981



From Diagram 4 it can be seen that a much higher proportion of females aged 15 to 25 years who left full-time studies in 1980 were unemployed or not in the labour force compared with the corresponding proportion of males.

DIAGRAM 4. PERSONS AGED 15 TO 25 YEARS WHO ATTENDED AN EDUCATIONAL INSTITUTION FULL-TIME IN 1980: FULL-TIME ATTENDANCE AND EMPLOYMENT STATUS IN MAY 1981



Diagrams 5 and 6 show the distributions by industry and occupation of employed leavers aged 15 to 25 years for the May 1979, 1980 and 1981 surveys. Male leavers were more likely to be employed in manufacturing or wholesale and retail trades whereas the majority of female leavers were employed in wholesale and retail trades or in community services. Most male leavers are employed as tradesmen, production-process workers, labourers, etc. while the predominant occupation of employed female leavers are in clerical jobs. The proportion of female leavers employed in these occupations has increased between May 1979 and May 1981, while, during the same period, the proportion employed in professional and technical positions has fallen.

DIAGRAM 5. EMPLOYED LEAVERS AGED 15 TO 25 YEARS: INDUSTRY AT THE TIME OF THE SURVEY, MAY 1979, 1980 AND 1981 SURVEYS (PER CENT)

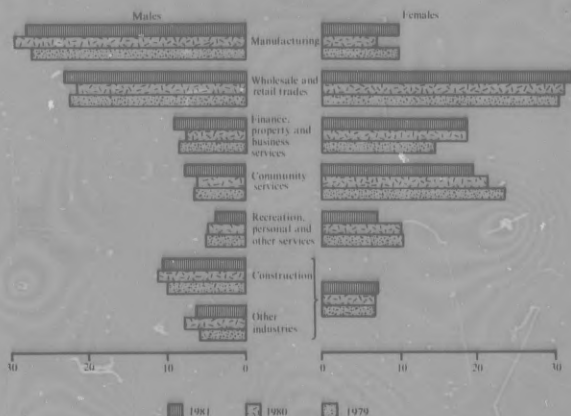
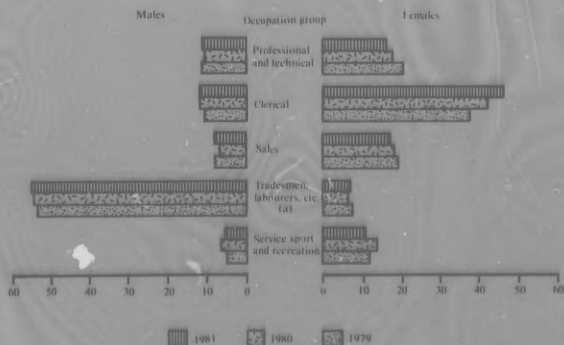


DIAGRAM 6. EMPLOYED LEAVERS AGED 15 TO 25 YEARS: OCCUPATION AT THE TIME OF THE SURVEY, MAY 1979, 1980 AND 1981 SURVEYS (PER CENT)



(a) Tradesmen, production-process workers and labourers etc. and miners and quarrymen.

TABLE 1. PERSONS AGED 15 TO 25 YEARS IN MAY 1981: FULL-TIME ATTENDANCE AT AN EDUCATIONAL INSTITUTION IN 1980 AND 1981

Educational institution attended full time in 1980	Attended full time in 1980 : status in May 1981(a)				Did not attend full time in 1980(a) (' 000)	In hospitals, etc.(b) (' 000)	Total aged 15 to 25 years (' 000)
	Continuing full-time studies						
	Leavers (' 000)	Number (' 000)	Per cent of total	Total (' 000)			
MALES							
School	101.3	244.9	70.7	346.3	..	n.a.	346.3
University	16.1	41.7	72.2	57.8	..	n.a.	57.8
CAE	13.3	20.0	60.0	33.3	..	n.a.	33.3
TAFE	17.2	10.8	38.5	28.0	..	n.a.	28.0
Other	6.5	*	*	8.7	..	n.a.	8.7
Total	154.4	319.6	67.4	474.0	924.6	9.8	1,408.4
FEMALES							
School	83.5	257.5	75.5	341.0	..	n.a.	341.0
University	9.7	28.9	74.9	38.6	..	n.a.	38.6
CAE	12.0	27.8	69.8	39.8	..	n.a.	39.8
TAFE	16.9	5.6	24.9	22.5	..	n.a.	22.5
Other	11.7	*	*	14.9	..	n.a.	14.9
Total	133.8	323.1	70.7	436.8	904.3	5.1	1,366.4
PERSONS							
School	184.8	502.5	73.1	687.2	..	n.a.	687.2
University	25.7	70.7	73.3	96.4	..	n.a.	96.4
CAE	25.4	47.8	65.3	73.1	..	n.a.	73.1
TAFE	34.1	16.4	32.4	50.5	..	n.a.	50.5
Other	18.2	5.4	22.9	23.6	..	n.a.	23.6
Total	288.2	642.7	69.0	930.8	1,829.1	14.9	2,774.8

(a) Excludes some patients in hospitals and sanatoria and some inmates of gaols, reformatories, etc. and persons permanently unable to work, who were not asked the survey questions. (b) Estimated numbers of the persons in footnote (a).

TABLE 2. PERSONS AGED 26 TO 64 YEARS IN MAY 1981: FULL-TIME ATTENDANCE AT AN EDUCATIONAL INSTITUTION IN 1980 AND 1981

Educational institution attended full time in 1980—	Attended full time in 1980 : status in May 1981(a)				Did not attend full time in 1980(a) ('000)	In hospitals, etc.(b) ('000)	Total aged 26 to 64 years ('000)
	Continuing full-time studies						
	Leavers ('000)	Number ('000)	Per cent of total	Total ('000)			
School	*	*	*	*	..	n.a.	*
University	9.2	9.2	50.0	18.4	..	n.a.	18.4
CAE	7.2	6.7	48.1	13.9	..	n.a.	13.9
TAFE	*	*	*	6.5	..	n.a.	6.5
Other	7.8	*	*	11.6	..	n.a.	11.6
Total	29.5	22.2	43.0	51.7	6,729.5	46.2	6,818.4
Males	16.8	12.2	42.1	29.0	3,375.1	30.8	3,434.9
Females	12.7	10.1	44.1	22.8	3,345.4	15.4	3,383.6

For footnotes see Table 1 above.

TABLE 3. MALES AGED 15 TO 64 YEARS IN MAY 1981(a): EDUCATIONAL INSTITUTION ATTENDED IN 1980, WHETHER ATTENDED FULL TIME, AGE AND WHETHER ATTENDING THE SAME INSTITUTION IN MAY 1981 ('000)

Attending an educational institution in May 1981								
	Same institution as in 1980			Total			Not attending an educational institution in May 1981	Total
	Full time	Part time	Total	Full time	Part time	Total		
15 TO 25 YEARS								
Institution attended in 1980—								
School	221.8	4.6	226.4	245.1	34.5	279.6	73.4	352.9
Full time	221.8	*	223.0	244.9	31.0	275.9	70.3	346.3
Part time	*	*	*	*	*	*	*	6.7
University	41.9	9.8	51.8	43.3	12.1	55.4	14.0	69.4
Full time	40.5	*	43.9	41.7	5.5	47.3	10.5	57.8
Part time	*	6.4	7.9	*	6.5	8.1	*	11.6
CAE	20.7	14.8	35.4	21.1	15.2	36.3	17.7	54.0
Full time	20.0	*	22.3	20.0	*	22.5	10.8	33.3
Part time	*	12.5	13.2	*	12.7	13.9	6.9	20.7
TAFE	10.1	87.3	97.4	11.9	90.6	102.5	67.9	170.4
Full time	9.8	*	13.1	10.8	*	14.5	13.5	28.0
Part time	*	84.1	84.4	*	86.9	88.0	54.4	142.4
Other	*	7.5	9.3	*	9.4	11.7	12.3	24.0
Full time	*	*	*	*	*	*	5.2	8.7
Part time	*	6.9	7.1	*	8.1	8.2	7.1	15.3
Total	296.4	124.0	420.4	323.7	161.7	485.4	185.2	670.7
Full time	293.7	10.7	304.5	319.6	44.0	363.6	110.4	474.0
Part time	*	113.2	115.9	*	117.7	121.8	74.8	196.7
Did not attend an educational institution in 1980	..	..	..	11.2	33.8	45.0	682.9	727.9
Total	296.4	124.0	420.4	335.0	195.5	530.5	868.1	1,398.6
26 TO 64 YEARS								
Institution attended in 1980—								
School	*	*	*	*	*	*	5.4	8.3
Full time	*	*	*	*	*	*	*	*
Part time	*	*	*	*	*	*	4.9	7.7
University	5.5	19.7	25.2	5.7	20.1	25.8	18.4	44.2
Full time	5.2	*	6.4	5.4	*	6.7	*	9.5
Part time	*	18.4	18.7	*	18.8	19.1	15.6	34.6
CAE	*	21.3	24.7	*	23.4	27.0	25.5	52.6
Full time	*	*	*	*	*	4.9	*	6.7
Part time	*	20.2	20.6	*	21.8	22.2	23.7	45.9
TAFE	*	31.3	32.6	*	33.1	35.2	53.7	88.9
Full time	*	*	*	*	*	*	*	*
Part time	*	30.7	31.0	*	32.4	33.0	51.7	84.6
Other	*	10.7	12.3	*	12.2	14.1	27.3	41.3
Full time	*	*	*	*	*	*	5.3	7.8
Part time	*	10.4	10.4	*	11.6	11.6	21.9	33.5
Total	11.8	84.8	96.7	13.7	91.4	105.0	130.3	235.3
Full time	10.8	*	14.1	12.2	*	16.4	12.5	29.0
Part time	*	81.6	82.6	*	87.1	88.6	117.7	206.4
Did not attend an educational institution in 1980	..	..	..	5.0	62.6	67.6	3,101.1	3,168.7
Total	11.8	84.8	96.7	18.7	154.0	172.7	3,231.4	3,404.1

(a) Excludes institutionalised persons and persons permanently unable to work.

TABLE 4. FEMALES AGED 15 TO 64 YEARS IN MAY 1981(a): EDUCATIONAL INSTITUTION ATTENDED IN 1980, WHETHER ATTENDED FULL TIME, AGE AND WHETHER ATTENDING THE SAME INSTITUTION IN MAY 1981 ('000)

	Attending an educational institution in May 1981						Not attending an educational institution in May 1981	Total
	Same institution as in 1980			Total				
	Full time	Part time	Total	Full time	Part time	Total		
15 TO 25 YEARS								
Institution attended in 1980—								
School	220.6	•	222.8	257.7	12.7	270.4	77.3	347.7
Full time	220.6	•	221.6	257.5	10.9	268.4	72.6	341.0
Part time	•	•	•	•	•	•	4.8	6.7
University	29.4	•	32.4	30.0	4.6	34.6	12.1	46.7
Full time	28.6	•	29.8	28.9	•	31.0	7.6	38.6
Part time	•	•	•	•	•	•	4.5	8.1
CAE	28.2	5.6	33.8	28.6	6.9	35.5	14.3	49.8
Full time	27.4	•	28.8	27.8	•	29.9	9.9	39.8
Part time	•	•	5.0	•	4.8	5.5	•	9.9
TAFE	5.2	17.9	23.1	6.4	19.9	26.2	44.8	71.1
Full time	4.9	•	7.1	5.6	•	8.1	14.4	22.5
Part time	•	15.7	16.0	•	17.4	18.1	30.4	48.5
Other	•	•	7.3	•	5.3	8.8	19.7	28.5
Full time	•	•	•	•	•	5.1	9.8	14.9
Part time	•	•	•	•	•	•	10.0	13.6
Total	286.4	33.0	319.4	336.0	49.4	375.5	168.3	543.7
Full time	284.5	6.9	291.4	323.1	19.6	342.6	114.2	456.8
Part time	•	26.1	27.9	•	29.9	32.8	54.1	86.9
Did not attend an educational institution in 1980	•	•	•	11.9	31.7	43.6	774.0	817.6
Total	286.4	33.0	319.4	338.0	81.1	419.1	942.3	1,361.2
26 TO 64 YEARS								
Institution attended in 1980—								
School	•	•	•	•	5.2	5.4	11.4	16.8
Full time	•	•	•	•	•	•	•	•
Part time	•	•	•	•	5.2	5.2	10.8	16.0
University	•	14.8	19.1	•	15.9	20.3	13.4	33.7
Full time	•	•	5.0	•	•	5.2	•	8.9
Part time	•	13.4	14.0	•	14.5	15.1	9.7	24.8
CAE	•	12.7	16.2	•	15.2	19.1	18.0	37.1
Full time	•	•	•	•	•	•	•	7.2
Part time	•	12.5	12.8	•	14.3	14.7	15.1	29.8
TAFE	•	29.5	30.4	•	32.1	33.8	45.8	79.6
Full time	•	•	•	•	•	•	•	•
Part time	•	29.2	29.6	•	31.7	32.6	44.8	77.4
Other	•	13.8	15.4	•	15.9	17.6	33.3	50.9
Full time	•	•	•	•	•	•	•	•
Part time	•	13.7	13.7	•	15.7	15.7	31.5	47.2
Total	10.5	74.4	84.9	12.0	84.3	96.2	121.9	218.1
Full time	9.1	•	11.1	10.1	•	13.0	9.8	22.8
Part time	•	72.4	73.8	•	81.4	83.3	112.0	195.3
Did not attend an educational institution in 1980	•	•	•	6.6	60.0	66.7	3,083.4	3,150.1
Total	10.5	74.4	84.9	18.6	144.3	162.9	3,205.3	3,368.2

(a) Excludes institutionalised persons and persons permanently unable to work.

TABLE 5. PERSONS AGED 15 TO 64 YEARS IN MAY 1981(a) : EDUCATIONAL INSTITUTION ATTENDING IN 1980, WHETHER ATTENDED FULL TIME, AGE AND WHETHER ATTENDING THE SAME INSTITUTION IN MAY 1981 ('000)

	Attending an educational institution in May 1981						Not attending an educational institution May 1981	Total
	Same institution as in 1980			Total				
	Full time	Part time	Total	Full time	Part time	Total		
15 TO 25 YEARS								
Institution attended in 1980—								
School	442.4	6.9	449.2	502.8	47.2	550.0	150.7	703.6
Full time	442.4	*	444.6	502.5	41.9	544.4	142.9	687.3
Part time	*	4.6	4.6	*	5.3	5.6	7.8	13.4
University	71.4	12.8	84.2	73.3	16.7	90.0	26.1	116.1
Full time	69.1	4.5	73.6	70.7	7.6	78.3	18.1	96.4
Part time	*	8.2	10.5	*	9.0	11.7	8.0	19.7
CAE	48.9	20.4	69.2	49.7	22.1	71.8	32.0	103.8
Full time	47.4	*	51.0	47.8	4.6	52.4	20.7	73.1
Part time	*	16.7	18.2	*	17.5	19.4	11.3	30.7
TAFE	15.3	105.3	120.5	18.2	110.5	128.7	112.7	241.4
Full time	14.7	5.5	20.2	16.4	6.2	22.6	27.9	50.5
Part time	*	99.8	100.4	*	104.2	106.1	84.9	191.0
Other	4.9	11.8	16.6	5.8	14.7	20.5	32.0	52.5
Full time	4.7	*	6.4	5.4	*	8.6	15.0	23.6
Part time	*	10.0	10.2	*	11.5	11.9	17.0	28.9
Total	582.8	157.0	739.8	650.4	211.2	861.5	352.9	1,214.4
Full time	578.2	17.7	595.9	642.7	63.6	706.2	224.6	930.8
Part time	4.5	139.3	143.8	7.7	147.6	155.3	128.3	283.6
Did not attend an educational institution in 1980	..	..	..	23.2	65.5	88.7	1,456.8	1,545.5
Total	582.8	157.0	739.8	672.9	276.6	949.5	1,810.4	2,759.9
26 TO 64 YEARS								
Institution attended in 1980—								
School	*	5.5	5.7	*	7.8	8.3	16.8	25.1
Full time	*	*	*	*	*	*	*	*
Part time	*	5.5	5.5	*	7.8	8.0	15.7	23.7
University	9.7	34.6	44.2	10.1	36.0	46.1	31.8	77.9
Full time	8.8	*	11.5	9.2	*	11.9	6.5	18.4
Part time	*	31.9	32.8	*	33.3	34.2	25.3	59.5
CAE	6.9	34.0	40.9	7.5	38.6	46.1	43.5	89.6
Full time	6.2	*	7.4	6.7	*	9.2	4.7	13.9
Part time	*	32.7	33.4	*	36.0	36.9	38.8	75.7
TAFE	*	60.8	63.0	*	65.2	69.0	99.5	168.5
Full time	*	*	*	*	*	*	*	6.5
Part time	*	59.9	60.6	*	64.1	65.5	96.5	162.0
Other	*	24.5	27.7	*	28.0	31.7	60.5	92.2
Full time	*	*	*	*	*	4.5	7.0	11.6
Part time	*	24.0	24.0	*	27.2	27.2	53.5	80.7
Total	22.3	159.3	181.5	25.6	175.6	201.2	252.2	453.4
Full time	19.9	5.3	25.2	22.2	7.1	29.4	22.4	51.7
Part time	*	154.0	156.4	*	168.5	171.9	229.8	401.7
Did not attend an educational institution in 1980	..	..	..	11.7	122.7	134.3	6,184.5	6,318.8
Total	22.3	159.3	181.5	37.3	298.3	335.6	6,436.7	6,772.2

(a) Excludes institutionalized persons and persons permanently unable to work.

TABLE 6. PERSONS AGED 15 TO 64 YEARS IN MAY 1981(a): ATTENDANCE AT AN EDUCATIONAL INSTITUTION, 1980 AND MAY 1981 BY EMPLOYMENT STATUS AND AGE ('000)

Attendance at an educational institution		Employed		Unemployed	Total labour force	Not in the labour force	Total
During 1980	At May 1981	Full time	Part time				
PERSONS AGED 15 TO 19 YEARS							
Attended full time	Attending full time	15.6	107.5	123.2	26.2	189.4	405.3
	Attending part time	42.9	47.3	90.2	49.7	40.6	90.3
	Not attending	117.9	13.8	131.7	33.1	174.8	164.6
	Total	176.4	125.7	302.1	61.7	363.8	780.6
Attended part time	Attending full time	*	*	*	*	*	*
	Attending part time	66.6	*	69.1	*	69.7	70.3
	Not attending	33.3	*	34.9	*	38.3	39.3
	Total	100.6	4.6	105.2	*	109.3	111.1
Did not attend	Attending full time	*	*	*	*	5.4	9.7
	Attending part time	19.7	*	20.5	*	21.5	22.3
	Not attending	251.7	17.0	268.7	48.1	316.8	345.3
	Total	272.9	19.6	292.5	50.1	342.6	377.3
Total	Attending full time	17.8	109.8	127.6	27.2	154.8	366.4
	Attending part time	129.2	7.7	136.9	143.2	143.2	286.9
	Not attending	402.8	32.4	435.2	84.7	519.9	604.6
	Total	549.8	149.9	699.7	115.9	815.6	1,269.6
PERSONS AGED 20 TO 25 YEARS							
Attended full time	Attending full time	*	25.3	29.3	*	32.4	88.0
	Attending part time	8.8	*	9.9	*	12.3	13.0
	Not attending	38.6	*	41.9	*	46.2	49.3
	Total	51.4	29.8	81.2	9.8	91.0	150.3
Attended part time	Attending full time	*	*	*	*	*	5.0
	Attending part time	68.5	5.0	73.5	*	74.8	77.2
	Not attending	76.8	*	79.8	4.5	84.3	89.6
	Total	145.3	8.3	154.4	6.1	160.5	171.8
Did not attend	Attending full time	*	*	4.6	*	5.2	8.3
	Attending part time	34.8	*	37.5	*	40.1	43.2
	Not attending	761.4	73.2	834.6	71.9	906.5	205.0
	Total	797.8	78.9	876.7	75.1	951.8	216.4
Total	Attending full time	6.4	28.6	34.9	*	39.0	67.5
	Attending part time	112.1	8.8	120.9	6.3	127.2	133.4
	Not attending	876.7	79.6	956.4	80.8	1,037.1	213.3
	Total	995.2	117.0	1,112.2	91.0	1,203.3	287.1
PERSONS AGED 26 TO 64 YEARS							
Attended full time	Attending full time	*	*	7.7	*	8.2	14.0
	Attending part time	4.5	*	6.1	*	6.3	9.4
	Not attending	18.1	*	19.8	*	21.2	22.4
	Total	26.4	7.2	33.6	*	35.7	35.7
Attended part time	Attending full time	*	*	*	*	*	*
	Attending part time	111.8	21.7	133.4	5.1	138.5	30.0
	Not attending	149.3	30.7	179.9	5.7	185.7	44.1
	Total	261.0	52.8	313.3	11.0	324.2	74.1
Did not attend	Attending full time	*	*	*	*	5.2	6.3
	Attending part time	78.3	16.9	95.2	*	99.0	23.6
	Not attending	3,373.2	659.6	4,032.8	149.8	4,182.7	2,001.9
	Total	3,451.5	676.6	4,128.1	154.4	4,282.5	2,025.5
Total	Attending full time	7.2	6.4	13.5	*	15.1	22.2
	Attending part time	194.6	40.1	234.7	9.1	243.8	53.6
	Not attending	3,560.6	692.0	4,252.6	156.9	4,389.5	2,047.2
	Total	3,762.3	738.5	4,490.8	167.3	4,648.3	2,123.0
TOTAL							
Attended full time	Attending full time	23.5	136.7	160.2	29.8	190.0	474.9
	Attending part time	56.2	7.2	63.3	4.9	68.2	70.7
	Not attending	174.5	18.8	193.4	38.8	232.2	347.0
	Total	254.2	162.7	416.9	73.5	490.4	967.6
Attended part time	Attending full time	*	*	*	*	*	6.2
	Attending part time	246.9	29.2	276.0	7.0	283.1	33.0
	Not attending	299.3	35.3	334.6	13.7	308.3	50.4
	Total	546.2	64.5	610.7	21.3	591.6	89.7
Did not attend	Attending full time	5.5	8.8	12.2	*	14.6	20.2
	Attending part time	132.8	20.4	153.2	7.4	160.6	27.5
	Not attending	4,386.3	749.9	5,136.2	269.8	5,406.0	2,235.4
	Total	4,524.6	777.0	5,301.6	279.6	5,581.2	2,263.1
Total	Attending full time	31.4	164.8	178.1	32.7	208.9	501.3
	Attending part time	435.9	56.7	492.6	19.4	511.9	574.5
	Not attending	4,820.1	804.0	5,624.2	322.3	5,946.5	2,300.6
	Total	5,287.4	1,025.5	6,292.8	374.4	6,647.3	2,864.9

(a) Excludes institutionalized persons and persons permanently unable to work.

TABLE 7. PERSONS AGED 15 TO 64 YEARS IN MAY 1981(a): TYPE OF EDUCATIONAL INSTITUTION ATTENDED IN 1980, AGE AND BIRTHPLACE ('000)

	Males				Females				Persons			
	Aged 15 to 19 years	Aged 20 to 25 years	Aged 26 to 64 years	Total	Aged 15 to 19 years	Aged 20 to 25 years	Aged 26 to 64 years	Total	Aged 15 to 19 years	Aged 20 to 25 years	Aged 26 to 64 years	Total
BORN IN AUSTRALIA												
Attended full time in 1980	322.2	62.2	18.3	402.7	332.0	49.9	15.1	397.0	654.1	112.2	33.4	799.7
School	286.2	*	*	287.0	285.8	*	*	287.3	571.9	*	*	574.3
University	9.4	33.0	5.8	48.3	11.1	19.2	5.9	36.3	20.5	52.3	11.7	84.5
CAE	7.5	18.7	4.6	30.8	11.5	22.3	*	38.2	19.0	41.0	9.0	69.0
TAFE	17.0	6.1	*	25.7	15.7	*	*	20.5	32.6	9.4	*	46.2
Other	*	*	5.3	11.0	7.8	*	*	14.6	10.0	7.6	7.9	25.6
Attended part time in 1980	73.7	94.1	143.2	311.0	23.6	48.6	151.3	223.5	97.3	142.7	294.5	534.6
Did not attend in 1980	153.8	452.3	2,181.3	2,787.4	172.7	506.2	2,275.2	2,954.1	326.5	958.5	4,456.5	5,741.5
Total	549.6	608.7	2,342.8	3,501.1	528.3	604.8	2,441.6	3,374.7	1,077.9	1,213.4	4,788.4	7,075.8
BORN OUTSIDE AUSTRALIA												
Attended full time in 1980	65.6	24.0	10.6	100.2	60.9	14.1	7.7	82.6	126.4	38.1	18.3	182.9
School	58.5	*	*	59.9	53.0	*	*	54.4	111.4	*	*	114.3
University	*	12.9	*	19.1	*	6.3	*	11.2	*	19.1	6.7	30.3
CAE	*	5.7	*	9.2	*	*	*	8.8	*	9.4	4.9	18.0
Other (including TAFE)	*	*	*	12.1	*	*	*	8.2	6.8	7.6	5.9	20.3
Attended part time in 1980	9.1	19.8	63.2	92.0	5.3	9.4	44.0	58.7	14.4	29.1	107.1	150.7
Did not attend in 1980	23.9	97.9	987.4	1,109.2	26.8	111.8	874.9	1,013.6	50.8	209.7	1,862.3	2,122.8
Total	98.6	141.6	1,061.2	1,301.5	93.0	135.3	926.6	1,154.9	191.6	276.9	1,987.8	2,456.4
TOTAL												
Attended full time in 1980	387.7	86.3	29.0	503.0	392.8	64.0	22.8	479.6	780.6	150.3	51.7	982.6
School	344.6	*	*	346.9	338.7	*	*	341.7	683.4	*	*	688.6
University	11.9	45.9	9.5	67.3	13.1	25.3	8.9	47.3	25.0	71.4	18.4	114.8
CAE	8.9	24.4	6.7	40.0	13.9	26.0	7.2	47.0	22.7	50.4	13.9	87.0
TAFE	19.5	8.5	*	32.3	18.0	4.5	*	24.8	37.5	13.0	6.5	57.0
Other	*	5.8	7.8	16.5	9.1	5.8	*	18.6	12.0	11.6	11.6	35.1
Attended part time in 1980	82.8	113.9	206.4	403.0	29.0	58.0	195.3	282.2	111.8	171.8	401.7	685.2
Did not attend in 1980	177.7	550.2	3,168.7	3,896.6	199.6	618.1	3,150.1	3,967.7	377.3	1,168.2	6,318.8	7,864.3
Total	648.2	759.3	3,884.1	4,882.6	621.3	748.0	3,368.2	4,729.5	1,269.6	1,490.3	6,772.2	9,332.1

(a) Excludes institutionalised persons and persons permanently unable to work.

TABLE 8. PERSONS AGED 15 TO 64 YEARS IN MAY 1981(a): EDUCATIONAL INSTITUTION CURRENTLY ATTENDING, WHETHER ATTENDING FULL TIME AND AGE ('000)

Age and whether attending full time	Institution currently attending					Not attending	Total
	School	University	C&E	TAFE	Other		
MALES							
15 to 19 years	225.1	21.0	23.7	106.1	7.9	264.4	648.2
Attending full time	221.6	18.1	15.4	17.4	..	..	274.5
Attending part time	..	..	8.3	88.7	5.9	..	109.4
20 to 25 years	4.6	45.9	32.5	51.3	12.3	603.7	750.3
Attending full time	..	34.6	17.5	5.0	..	..	60.5
Attending part time	..	11.4	15.0	46.3	9.7	..	86.1
26 to 64 years	6.8	38.3	38.0	65.1	24.4	3,231.4	3,403.9
Attending full time	..	7.9	5.0	..	..	..	18.5
Attending part time	6.6	30.5	33.0	62.4	21.6	..	154.0
Total	236.5	105.3	94.2	222.5	44.5	4,099.5	4,802.6
Attending full time	222.8	60.6	37.9	25.0	7.3	..	353.6
Attending part time	13.7	44.7	56.3	197.5	37.2	..	349.5
FEMALES							
15 to 19 years	223.1	23.1	27.1	38.4	14.1	299.5	621.3
Attending full time	219.9	21.9	24.8	16.8	8.4	..	292.0
Attending part time	..	..	..	21.6	5.7	..	33.8
20 to 25 years	..	23.8	28.8	26.3	10.1	646.7	737.0
Attending full time	..	19.2	19.5	..	..	..	43.0
Attending part time	..	4.6	9.4	22.7	7.4	..	47.3
26 to 64 years	10.0	30.4	27.9	59.7	34.8	3,205.3	3,368.2
Attending full time	..	6.2	6.3	..	..	..	18.6
Attending part time	9.9	24.2	21.7	56.9	31.7	..	144.3
Total	237.4	77.3	83.8	124.4	59.1	4,147.6	4,729.5
Attending full time	221.1	47.3	50.6	23.2	14.3	..	356.6
Attending part time	16.3	30.0	33.2	101.2	44.7	..	225.4
PERSONS							
15 to 19 years	448.2	44.1	50.8	144.5	21.9	560.0	1,269.6
Attending full time	441.5	40.1	40.2	34.3	10.4	..	566.4
Attending part time	6.7	..	10.6	110.3	11.6	..	143.2
20 to 25 years	8.9	69.7	61.4	77.6	22.4	1,250.4	1,490.3
Attending full time	..	53.8	37.0	8.5	5.2	..	106.5
Attending part time	6.9	15.9	24.4	69.0	17.2	..	133.4
26 to 64 years	16.8	68.7	65.9	124.8	59.3	6,436.7	6,772.2
Attending full time	..	14.0	11.3	5.5	6.1	..	37.3
Attending part time	16.4	54.7	54.6	119.4	53.2	..	298.3
Total	473.9	182.6	178.1	346.9	183.6	8,247.8	9,332.2
Attending full time	443.9	107.9	88.5	48.2	21.7	..	710.2
Attending part time	30.0	74.7	89.6	298.7	62.0	..	574.9

(a) Excludes institutionalised persons and persons permanently unable to work.

TABLE 9. LEAVERS AGED 15 TO 25 YEARS IN MAY 1981 : EDUCATIONAL INSTITUTION ATTENDED FULL TIME IN 1980, TIME OF LEAVING AND AGE AT THE TIME OF THE SURVEY ('000)

Time of leaving	Leavers aged 15-19 years			All leavers aged 15-25 years		
	Males	Females	Persons	Males	Females	Persons
ATTENDED SCHOOL IN 1980						
January-June 1980	10.8	9.5	20.2	10.8	10.1	20.8
July-October 1980	6.8	8.5	15.3	6.9	8.6	15.5
November 1980	46.3	34.9	81.2	46.9	35.1	82.0
December 1980-May 1981	36.6	29.4	66.0	36.8	29.6	66.4
Total	100.4	82.3	182.7	101.3	83.5	184.8
ATTENDED OTHER EDUCATIONAL INSTITUTION IN 1980						
January-June 1980	4.9	*	8.6	8.4	6.0	14.4
July-October 1980	*	5.3	9.7	9.3	7.5	16.8
November 1980	6.6	10.3	16.9	25.7	24.5	50.2
December 1980-May 1981	*	5.2	7.9	9.8	12.3	22.1
Total	18.5	24.6	43.1	53.1	50.3	103.4
TOTAL						
January-June 1980	15.7	13.3	29.0	19.1	16.1	35.2
July-October 1980	11.2	13.8	25.0	16.2	16.1	32.3
November 1980	52.9	45.2	98.0	72.6	59.6	132.2
December 1980-May 1981	39.3	34.6	73.9	46.6	41.9	88.5
Total	119.0	106.9	225.9	154.4	133.7	288.2

TABLE 10. LEAVERS AGED 15 TO 25 YEARS IN MAY 1981 : AGE AT TIME OF LEAVING ('000)

Age at time of leaving (years)	Attended school in 1980			Attended any educational institution(a) in 1980		
	Males	Females	Persons	Males	Females	Persons
14 and under	*	*	5.4	*	*	5.6
15	27.1	22.0	49.1	27.4	22.8	50.2
16	35.6	26.9	62.5	39.6	31.5	71.1
17	24.0	23.4	47.4	29.6	30.9	60.5
18	10.1	7.2	17.3	17.0	14.0	31.0
19	*	*	*	7.7	7.4	15.1
20 to 25	*	*	*	30.0	22.7	52.7
Total	101.3	83.5	184.8	154.4	133.8	288.2

(a) Includes school.

TABLE 11. LEAVERS AGED 15 TO 25 YEARS IN MAY 1981: EMPLOYMENT STATUS AND BIRTHPLACE

State	Employment status				Total leavers		
	Employed (^{'000})	Unemployed (^{'000})	Total in the labour force (^{'000})	Not in the labour force (^{'000})	Aged 15-19 years (^{'000})	Aged 20-25 years (^{'000})	Total
							Number (^{'000})
							Participation rate(a) (per cent)
MALES							
New South Wales	44.6	4.8	49.3	*	39.7	11.7	51.4
Victoria	33.7	6.5	40.2	*	31.7	9.6	41.3
Queensland	22.3	*	23.7	*	18.6	6.2	24.8
South Australia	11.6	3.1	14.7	*	11.1	4.1	15.2
Western Australia	11.4	*	13.4	*	11.4	*	13.8
Tasmania	3.7	*	4.8	*	3.8	*	4.7
Australian Capital Territory	*	*	2.1	*	*	*	2.1
Australia(b)	130.0	19.1	149.0	5.4	119.0	35.3	154.4
Born in Australia	109.1	15.6	124.7	*	101.3	27.5	128.7
Born outside Australia	20.9	*	24.3	*	17.7	8.0	25.7
FEMALES							
New South Wales	34.9	5.2	40.1	*	34.6	9.4	44.0
Victoria	24.7	8.0	32.7	*	27.8	8.4	36.2
Queensland	17.1	3.5	20.6	*	17.4	4.0	21.4
South Australia	9.0	2.9	12.0	*	10.7	*	12.2
Western Australia	9.8	*	12.1	*	10.4	2.6	13.0
Tasmania	3.2	*	4.1	*	3.8	*	4.5
Australian Capital Territory	*	*	*	*	*	*	*
Australia(b)	100.9	23.1	123.9	9.8	106.9	26.8	133.8
Born in Australia	87.4	19.7	107.1	7.1	92.7	21.5	114.2
Born outside Australia	13.5	*	16.9	*	14.2	5.4	19.6
PERSONS							
New South Wales	79.5	10.0	89.4	5.9	74.2	21.1	95.3
Victoria	58.4	14.5	72.9	4.6	59.5	18.0	77.5
Queensland	39.3	4.9	44.2	*	36.0	10.2	46.2
South Australia	20.4	6.1	26.7	*	21.8	5.6	27.4
Western Australia	21.2	4.3	25.5	*	21.8	5.0	26.7
Tasmania	6.9	1.8	8.7	*	7.7	1.8	9.5
Australian Capital Territory	2.7	*	3.3	*	2.6	*	3.4
Australia(b)	238.8	42.3	273.8	15.3	255.9	62.3	288.2
Born in Australia	196.5	35.3	231.8	11.1	194.0	48.9	242.9
Born outside Australia	34.3	6.9	41.2	*	31.9	13.4	45.3

(a) Leavers in the labour force as a percentage of total leavers.

(b) Includes the Northern Territory.

TABLE 12. EMPLOYED LEAVERS AGED 15 TO 25 YEARS IN MAY 1981: INDUSTRY
(^{'000})

Industry division	Attended school in 1980			Attended any educational institution(a) in 1980		
	Males	Females	Persons	Males	Females	Persons
Agriculture, forestry, fishing and hunting	6.0	*	7.5	8.0	*	9.7
Manufacturing	25.7	6.3	32.0	36.8	9.9	46.7
Construction	10.5	*	11.2	14.0	*	15.3
Wholesale and retail trade	21.3	25.1	46.5	30.2	32.6	62.9
Transport, storage and communication	*	*	4.6	5.7	*	8.2
Finance, property and business services	6.3	10.6	16.9	11.9	19.0	30.9
Community services(b)	*	7.3	10.1	10.3	19.9	30.2
Recreation, personal and other services	*	*	7.6	4.9	6.9	11.8
Other(c)	4.8	*	7.9	8.1	7.0	15.1
Total	83.6	88.5	144.3	138.8	108.9	238.8
Full-time workers	76.4	51.4	127.8	119.7	88.5	208.1
Part-time workers	7.2	9.1	16.4	19.3	12.4	22.7

(a) Includes schools. (b) Comprises health, education, libraries, etc.; welfare and religious institutions; and other community services. (c) Comprises mining, electricity, gas and water; and public administration and defence (civilians only).

TABLE 13. EMPLOYED LEAVERS AGED 15 TO 25 YEARS IN MAY 1981: OCCUPATION ('000)

Occupation group	Attended school in 1980			Attended any educational institution(s) in 1980		
	Males	Females	Persons	Males	Females	Persons
Professional and technical	*	*	5.8	14.2	16.1	30.3
Administrative, executive, managerial	*	*	*	*	*	*
Clerical	10.5	26.2	36.8	15.2	46.6	61.8
Sales	7.6	14.3	21.9	10.5	17.2	27.7
Farmers, fishermen, timber getters, etc.	7.1	*	8.7	9.1	*	10.9
Transport and communication	*	*	*	*	*	*
Tradesmen, production-process workers, labourers etc. and miners, etc.	51.0	5.9	56.9	71.2	6.8	77.9
Service, sport and recreation	*	7.1	11.3	7.1	10.3	17.4
Total	83.4	68.5	144.2	150.8	106.9	238.8

(a) Includes schools.

TABLE 14. PERSONS AGED 15 TO 25 YEARS IN MAY 1981(a) WHO HAD CEASED FULL-TIME STUDY: EMPLOYMENT STATUS IN MAY 1981 AND YEAR IN WHICH CEASED FULL-TIME STUDY

Year in which ceased full-time study	Employment status in 1981				Total		
	Employed (¹ 000)	Unemployed (¹ 000)	Total in the labour force (¹ 000)	Not in the labour force (¹ 000)	Number (¹ 000)	Unemployment rate (per cent)	Participation rate (per cent)
MALES							
Before 1971	18.4	*	20.0	*	20.8	*	96.0
1971	36.2	*	40.1	*	41.4	*	97.0
1972	62.2	*	66.6	*	67.1	*	99.3
1973	76.1	5.6	81.7	*	83.7	6.9	97.6
1974	82.3	5.2	87.6	*	89.7	6.0	97.7
1975	88.1	7.4	95.5	*	98.1	7.8	97.4
1976	108.4	7.8	108.2	*	110.8	7.2	97.7
1977	106.7	6.4	113.1	*	115.7	5.7	97.8
1978	118.6	8.8	127.4	*	129.2	6.9	98.6
1979	124.1	12.3	136.4	*	139.0	9.0	98.1
1980 and early 1981	130.0	19.1	149.0	5.4	154.4	12.8	96.5
Total	943.0	82.6	1,025.6	24.2	1,049.8	8.1	97.7
FEMALES							
Before 1971	12.9	*	14.1	12.2	26.2	*	53.6
1971	18.1	*	21.5	24.9	46.5	*	46.3
1972	37.3	*	41.2	33.3	74.5	*	55.3
1973	46.5	*	50.2	31.9	82.0	*	61.2
1974	58.9	5.3	64.2	30.1	94.3	8.2	68.0
1975	64.8	6.0	70.8	29.1	99.9	8.5	70.9
1976	75.4	8.7	84.1	26.8	110.9	10.3	75.8
1977	83.1	11.2	94.2	16.1	110.3	11.9	85.4
1978	92.6	10.5	103.0	12.6	115.7	10.2	89.1
1979	95.1	14.1	109.2	9.7	118.9	12.9	91.8
1980 and early 1981	100.8	23.1	123.9	9.8	133.8	18.6	92.7
Total	685.3	91.0	776.4	236.5	1,012.9	11.7	76.7
PERSONS							
Before 1971	31.2	*	34.0	13.0	47.1	*	72.4
1971	54.2	7.4	61.6	26.2	87.8	12.0	70.2
1972	99.5	8.3	107.8	33.8	141.6	7.7	76.1
1973	122.6	9.3	131.9	33.9	165.8	7.0	79.5
1974	141.2	10.5	151.8	32.2	184.0	6.9	82.5
1975	152.9	13.4	166.3	31.6	197.9	8.1	84.0
1976	175.9	16.4	192.3	29.4	221.7	8.5	86.7
1977	189.8	17.6	207.4	18.6	226.0	8.5	91.8
1978	211.1	19.3	230.4	14.4	244.8	8.4	94.1
1979	219.2	26.4	245.6	12.3	257.9	10.7	95.2
1980 and early 1981	230.8	42.2	273.0	15.2	288.2	15.5	94.7
Total	1,628.5	173.6	1,802.8	266.7	2,069.5	9.6	87.4

(a) Excluding institutionalised persons and persons permanently unable to work.

TABLE 15. PERSONS AGED 15 TO 25 YEARS IN MAY 1981(a): FULL-TIME ATTENDANCE AT AN EDUCATIONAL INSTITUTION, 1973 TO 1981

Survey	Attended an educational institution full time in the previous year(b)			Total (^c 000)	Did not attend an educational institution full time in the previous year(b) (^c 000)	In hospitals, etc.(c) (^c 000)	Total (^c 000)
	Leavers (^c 000)	Continuing full-time studies					
		(^c 000)	Per cent of total				
MALES							
Feb.—1973	114.8	281.0	71.0	395.9	719.2	15.6	1,130.7
1974	119.4	283.3	70.3	402.7	722.7	12.1	1,137.5
May—1975	123.1	316.0	72.0	439.2	726.0	12.5	1,177.7
1976	137.1	316.8	69.8	453.9	729.2	13.4	1,196.4
Aug.—1977	118.1	368.4	75.7	486.5	828.3	15.2	1,330.0
1978	133.0	379.7	74.1	512.6	839.5	12.3	1,364.4
May—1979	157.7	315.7	66.7	473.4	888.2	12.9	1,374.5
1980	155.9	324.7	67.6	480.6	894.1	8.2	1,382.9
1981	154.4	319.6	67.4	474.0	924.6	9.8	1,408.4
FEMALES							
Feb.—1973	105.7	243.2	70.3	348.9	750.2	8.3	1,107.3
1974	109.9	246.9	69.2	356.8	753.7	*	1,114.3
May—1975	115.3	283.6	71.1	398.9	748.0	4.3	1,151.2
1976	120.1	292.3	70.9	412.4	745.9	4.3	1,162.5
Aug.—1977	108.9	359.3	76.7	468.1	827.0	7.3	1,302.4
1978	123.1	358.9	74.5	482.0	856.4	*	1,342.6
May—1979	130.7	322.3	71.1	453.0	890.4	5.3	1,348.7
1980	139.9	308.8	68.8	448.7	896.5	*	1,348.2
1981	133.8	323.1	70.7	456.8	904.5	5.1	1,366.4
PERSONS							
Feb.—1973	218.5	524.2	70.7	744.7	1,469.4	23.9	2,238.0
1974	229.4	530.2	69.8	759.6	1,476.5	15.8	2,251.8
May—1975	238.4	599.6	71.5	838.1	1,474.0	16.8	2,328.9
1976	257.2	609.0	70.3	866.3	1,475.0	17.6	2,358.9
Aug.—1977	226.9	727.7	76.2	954.6	1,655.2	22.6	2,632.4
1978	256.0	738.6	74.3	994.7	1,695.9	16.4	2,707.1
May—1979	288.4	638.0	68.9	926.4	1,778.6	18.2	2,723.1
1980	295.8	633.5	68.2	929.3	1,790.6	11.2	2,731.1
1981	288.2	642.7	69.0	930.8	1,829.1	14.9	2,774.8

(a) Aged 15 to 24 years for surveys up to May 1976. b) Excludes some patients in hospitals and sanatoria and some inmates of gaols, reformatories, etc. at the time of the survey, and persons permanently unable to work, who were not asked the survey questions. (c) Estimated numbers of the persons in footnote (b).

NOTE. See Explanatory notes, paragraphs 10 and 11, regarding comparability of series.

TECHNICAL NOTE

Estimation procedure

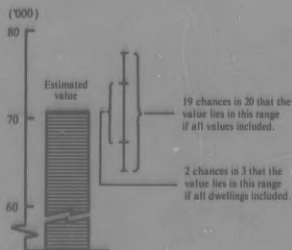
The estimates are derived from the population survey by use of a ratio estimation procedure, which ensures that the estimates conform to an independently estimated distribution of the population for each capital city and remainder of State by age and sex, rather than to the corresponding distribution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

Reliability of the estimates

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

3. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors for general application is given on the following page. Since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics these figures will not give a precise measure of the standard error of a particular estimate but they will provide an indication of its magnitude.

4. An example of the calculation and the use of standard errors in relation to estimates of persons is as follows. Table 1 (page 6) shows the estimated number of persons aged 15 to 25 years who attended university full time during 1980 and were continuing their full-time studies in May 1981 is 70,700. Since this estimate is between 50,000 and 100,000 in the standard error table, the standard error for Australia will be between 2,900 and 3,900 and can be approximated as 3,300 (rounded to the nearest 100). Therefore, there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall in the range 67,400 to 74,000 and about nineteen chances in twenty that the value will fall within the range 64,100 to 77,300. This example is illustrated in the following diagram.



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

6. Proportions and percentages formed from the ratio of two estimates are also subject to sampling errors. The size of the error depends on the accuracy of both the numerator and the denominator. The formula for the relative standard error (RSE) of a proportion is given below:

$$RSE(x/y) = \sqrt{[RSE(x)]^2 + [RSE(y)]^2}$$

7. Considering the example from paragraph 4 above, the 70,700 persons represent 73.3 per cent of the 96,400 persons who attended university full time during 1980. The standard error of 96,400 is approximately 3,800 so the relative standard error is 3.9 per cent. The relative standard error for 70,700 is 4.7 per cent. Applying the above formula, the relative standard error of 73.3 per cent is $\sqrt{(4.7)^2 + (3.9)^2}$ or 6.2 per cent. Therefore, there are about two chances in three that the proportion of 15 to 25 year old full-time university students continuing full-time studies in May 1981 is between 71.4 per cent and 75.2 per cent and nineteen chances in twenty the proportion is within the range 69.5 per cent to 77.1 per cent.

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

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

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

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

STANDARD ERRORS OF ESTIMATES

<i>Size of estimate</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Australia</i>	
									<i>Per cent of estimate</i>	
			<i>— number —</i>							
1,500						300				
2,000						340	470	440		
2,500				510	510	380	510	480		
3,000				550	560	410	550	510		
3,500				590	590	430	590	540		
4,000			740	780	820	460	820	560		
4,500										
5,000	1,000	1,000	820	850	660	480	850	590	970	21.6
5,000	1,100	1,100	860	680	690	500	680	610	1,000	20.0
6,000	1,200	1,200	930	730	750	530	740	650	1,100	18.0
10,000	1,500	1,400	1,200	900	920	640	910	750	1,400	14.0
20,000	2,000	1,900	1,500	1,200	1,200	810	1,300	910	2,000	10.0
50,000	3,000	2,700	2,200	1,600	1,700	1,100	1,700	1,100	2,900	5.8
100,000	3,900	3,500	2,800	2,100	2,100	1,300		1,300	3,900	3.9
200,000	5,000	4,400	3,600	2,600	2,600	1,500			5,100	2.6
300,000	5,800	5,000	4,100	2,900	2,900				6,000	2.0
500,000	6,900	5,800	4,800	3,300	3,300				7,200	1.4
1,000,000	8,500	7,000	5,900						9,100	0.9
2,000,000	10,000	8,400							11,000	0.6
5,000,000									15,000	0.3