

# **EDUCATION AND WORK**

AUSTRALIA

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## **CONTENTS**

	<i>page</i>
Notes .....	2
Summary of findings .....	3

## **TABLES**

List of tables .....	5
Participation .....	7
Attainment .....	13
Transition from education to work .....	23
Enrolment experience .....	29
Apprentices .....	30
Populations .....	31

## **ADDITIONAL INFORMATION**

Explanatory Notes .....	32
Appendix 1: Populations and data items list .....	37
Appendix 2: Supplementary surveys .....	44
Technical Note: Data quality .....	45
Glossary .....	48

## **INQUIRIES**

- For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or James Ashburner on Canberra (02) 6252 7934.

## NOTES

### ABOUT THIS PUBLICATION

This publication presents information about the educational experience of persons aged 15–64 years, especially in relation to their labour force status.

Statistics in this publication were collected in May 2004 as a supplement to the Australian Bureau of Statistics (ABS) monthly Labour Force Survey.

Information collected in the survey includes participation in education in previous year, and in survey month; labour force characteristics; type of educational institution; level of education of current and previous study; highest year of school completed; level of highest non-school qualification; level of highest educational attainment; unmet demand for education in current year; and characteristics of apprentices.

### CLASSIFICATION OF EDUCATION

The *Australian Standard Classification of Education* (ASCED) (cat. no. 1272.0) was introduced into ABS collections in 2001. It replaced a number of education classifications used prior to 2001 for data from the various sectors of the Australian education system, including the *Australian Bureau of Statistics Classification of Qualifications* (ABSCQ) (cat. no. 1262.0). ASCED comprises two classifications: Level of Education and Field of Education. For further details, see paragraphs 18–23 of the Explanatory Notes.

### ROUNDING

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

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### ABBREVIATIONS

ABS	Australian Bureau of Statistics
ABSCQ	Australian Bureau of Statistics Classification of Qualifications
ANZSIC	Australian and New Zealand Standard Industrial Classification
ASCED	Australian Standard Classification of Education
ASCO	Australian Standard Classification of Occupations
BSP	boarding school pupils
CAI	computer assisted interviewing
LFS	Labour Force Survey
n.f.d.	not further defined
RSE	relative standard error
SACC	Standard Australian Classification of Countries
SE	standard error
SEW	Survey of Education and Work
TAFE	Technical and Further Education

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## SUMMARY OF FINDINGS

### PARTICIPATION

In May 2004, there were 13,173,000 persons aged 15–64 years in the scope of the survey, of whom 2,426,500 (18%) were enrolled in a course of study. Approximately 918,700 (38%) of these enrolled persons were attending a Higher education institution, 708,000 (29%) were at school, 531,000 (22%) were at Technical and Further Education (TAFE) institutions, and 268,700 (11%) were at other educational institutions.

Of persons enrolled in a course of study in May 2004, 53% were females, 43% were aged 15–19 years, and 63% were studying full time.

#### *Study leading to a qualification*

Approximately 2,333,200 (96%) persons who were enrolled in a course of study were enrolled in a course leading to a qualification.

The proportion of persons aged 15–64 years enrolled in a course leading to a qualification increased from 16% in May 1994 to 18% in May 2004.

Of persons who were enrolled in a course leading to a qualification, more than one in four (28%) were studying for a Bachelor Degree, of whom 48% were aged between 20 and 24 years, and 24% were aged between 15 and 19 years.

Other than Mixed field programmes, which includes persons studying for Year 12 or below, the most commonly reported main field of education of current study for persons enrolled in a course leading to a qualification was Management and commerce (19%), followed by Society and culture (13%).

### EDUCATIONAL ATTAINMENT

#### *Level of highest non-school qualification*

The proportion of persons with a non-school qualification increased from 39% in May 1994 to 51% in May 2004. This increase was mainly in persons whose highest non-school qualification was a Bachelor Degree or above (12% in May 1994 to 19% in May 2004). The proportion of persons whose highest non-school qualification was an Advanced Diploma or below increased from 28% in 1994 to 31% in 2004.

Among the 6,699,200 persons with a non-school qualification, the most commonly reported fields of education for the highest non-school qualification were Management and commerce (23%) and Engineering and related technologies (20%).

Of persons with a non-school qualification, 81% were employed, compared to 61% without a non-school qualification. Of employed persons with a non-school qualification, 77% were full-time workers, compared to 64% of employed persons without a non-school qualification.

#### *Level of highest educational attainment*

Approximately 28% of persons aged 15–64 years reported their level of highest educational attainment as being Year 10 or below. The level of highest educational attainment of a further 20% was Year 12, while 15% had a Certificate III or IV as their highest educational attainment, and 19% had a Bachelor Degree or higher.

### STARTING A COURSE OF STUDY

Approximately 357,600 persons who were not enrolled in a course of study leading to a qualification in 2003 were enrolled in a course of study leading to a qualification in May 2004. Of this group, 32% were aged between 25 and 34 years and a further 21% were aged 20–24 years, 58% were female, while over two-thirds (71%) were employed. Of these employed starters, 64% of employed persons worked full time.

**SUMMARY OF FINDINGS** *continued*

LEAVING A COURSE OF  
STUDY

Approximately 964,800 persons who were enrolled in a course of study leading to a qualification in 2003 were not enrolled in a course of study leading to a qualification in May 2004. Of this group, 23% were aged between 25 and 34 years, 22% were aged 20–24 years, and 82% were employed. Of these employed leavers, 73% worked full time.

## LIST OF TABLES

page

### PARTICIPATION

- 1** Persons enrolled in a course of study: State or territory of usual residence by sex, age group, country of birth, area of usual residence, labour force status, level of education of current study, type of educational institution attending and type of attendance . . . . . 7
- 2** All persons: Whether enrolled in a course of study, 1994, 1996, 1998, 2000, 2002, 2003, 2004 by sex . . . . . 8

### STUDY LEADING TO A QUALIFICATION

- 3** Persons enrolled in a course of study leading to a qualification: Level of education of current study, by age group and sex . . . . . 9
- 4** Persons enrolled in a course of study leading to a qualification: Main field of education of current study, by age group and sex . . . . . 10
- 5** Persons enrolled in a course of study leading to a qualification: Level of education of current study by main field of education of current study . . . 11
- 6** Persons enrolled in a course of study leading to a qualification: Level of education of current study, by labour force status and sex . . . . . 12

### ATTAINMENT

#### LEVEL OF HIGHEST NON-SCHOOL QUALIFICATION

- 7** All persons: Proportion of persons with a non-school qualification, 1994, 1996, 1998, 2000, 2002, 2003, 2004, by age group . . . . . 13
- 8** All persons: Level of highest non-school qualification by state or territory of usual residence and proportion of persons with a non-school qualification by sex, age group, country of birth, area of usual residence, labour force status and highest year of school completed . . . . . 14
- 9** Persons with a non-school qualification: Level and main field of highest non-school qualification, by age group and sex . . . . . 15
- 10** Persons with a non-school qualification: Level of highest non-school qualification, by main field of highest non-school qualification . . . . . 17
- 11** All persons: Highest year of school completed, by level of highest non-school qualification, by labour force status . . . . . 18
- 12** Employed persons: Level of highest non-school qualification, by sex, age group, country of birth, occupation, and industry . . . . . 20

#### LEVEL OF HIGHEST EDUCATIONAL ATTAINMENT

- 13** All persons: Level of highest educational attainment, by state or territory of usual residence and sex . . . . . 21
- 14** All persons: Level of highest educational attainment and main field of education, by age group . . . . . 22

## LIST OF TABLES *continued*

*page*

### TRANSITION FROM EDUCATION TO WORK

<b>15</b>	Persons starting or leaving a course of study leading to a qualification: State or territory of usual residence by sex, age group, and labour force status . . . . .	23
<b>16</b>	Persons aged 15–19 years: Enrolment status in 2003 and May 2004, by labour force status . . . . .	24
<b>17</b>	Persons aged 20–24 years: Enrolment status in 2003 and May 2004, by labour force status . . . . .	25
<b>18</b>	Starters: Level and main field of education of current study, by age group and sex . . . . .	26
<b>19</b>	Leavers: Level and main field of education of previous study, by age group and sex . . . . .	27
<b>20</b>	School leavers aged 15–24 years: Transition from education to work, by level of education of current study, highest year of school completed, sex, by labour force status . . . . .	28

### ENROLMENT EXPERIENCE

<b>21</b>	All persons: Educational enrolment experience, by labour force status and age group . . . . .	29
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### APPRENTICES

<b>22</b>	Apprentices aged 15–54 years: Sex, age group, industry, field of trade and commencement of apprenticeship, 1994, 1996, 1998, 2000, 2002, 2003, 2004 . . . . .	30
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### POPULATIONS

<b>23</b>	All populations, by sex . . . . .	31
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## PERSONS ENROLLED IN A COURSE OF STUDY, Selected characteristics

	STATE OR TERRITORY OF USUAL RESIDENCE								
	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
	'000	'000	'000	'000	'000	'000	'000	'000	'000
.....									
Sex									
Males	391.9	305.1	201.0	77.4	112.9	27.1	6.3	23.2	1 144.9
Females	429.1	340.0	237.9	91.1	119.7	27.8	9.1	26.7	1 281.5
Age group (years)									
15–19	354.0	280.4	190.8	71.5	100.7	25.0	4.5	19.5	1 046.5
20–24	177.9	156.5	86.4	32.3	46.5	8.9	*2.3	12.3	523.1
25–34	137.0	106.1	73.3	25.6	35.6	7.0	3.8	8.2	396.6
35–44	83.1	58.6	47.8	21.3	29.5	7.8	3.3	4.6	255.9
45–54	51.4	32.6	29.5	12.5	16.3	4.2	*1.3	4.3	152.1
55–64	17.7	11.0	11.1	5.4	4.0	*1.9	**0.3	*0.9	52.2
Country of birth(b)									
Born in Australia	593.1	490.7	356.3	136.0	164.1	47.5	12.2	41.0	1 840.8
Born overseas	221.6	144.6	78.1	32.6	65.0	7.4	3.3	8.9	561.5
Area of usual residence									
State capital city	542.2	485.7	236.2	137.8	186.5	26.0	. .	. .	1 614.2
Balance of state/territory	278.9	159.4	202.8	30.8	46.1	28.9	15.5	49.9	812.3
Labour force status									
In the labour force	527.0	406.5	306.6	108.5	147.1	33.6	11.0	35.3	1 575.4
Employed	478.7	371.3	278.4	99.0	134.2	30.3	10.5	33.4	1 435.7
Full-time workers	203.6	160.7	118.7	42.4	62.0	15.3	7.1	14.3	624.1
Part-time workers	275.0	210.6	159.7	56.6	72.1	15.0	3.5	19.1	811.6
Unemployed	48.3	35.2	28.2	9.5	13.0	3.3	**0.5	1.9	139.8
Not in the labour force	294.1	238.7	132.4	60.1	85.4	21.3	4.4	14.7	851.0
Level of education of current study in May 2004									
Study leading to a qualification(c)	777.7	626.0	429.3	162.0	224.7	50.8	14.2	48.5	2 333.2
Postgraduate Degree	50.9	36.1	24.6	9.4	13.2	2.0	*1.5	3.9	141.6
Graduate Diploma/Graduate Certificate	17.4	21.9	14.6	5.6	8.9	**0.3	**0.6	2.0	71.3
Bachelor Degree	220.3	179.5	119.6	47.5	68.1	9.7	*2.3	16.5	663.6
Advanced Diploma/Diploma	78.6	64.7	44.5	15.1	20.8	4.2	*1.9	5.4	235.1
Certificate III/IV	91.2	82.3	57.5	19.6	32.4	10.0	3.2	3.4	299.7
Certificate I/II	19.3	14.7	11.7	*3.0	6.1	*1.6	**0.5	**0.5	57.4
Certificate n.f.d.	46.0	22.1	22.7	5.5	9.8	2.7	**0.6	2.2	111.6
Year 12	68.6	59.8	51.2	19.7	23.3	5.4	*0.8	3.6	232.4
Year 11	75.8	54.9	47.4	17.3	19.6	4.9	*1.5	4.8	226.3
Year 10 or below	88.7	72.1	27.5	17.2	15.8	9.3	*1.2	5.6	237.5
Level not determined	14.5	8.2	*3.4	*2.0	*3.1	*0.7	—	*0.6	32.4
Study not leading to a qualification	43.4	19.2	9.6	6.5	7.9	3.9	*1.3	*1.4	93.2
Type of educational institution attending									
School	234.1	194.5	127.0	54.3	61.0	19.8	4.0	13.4	708.0
TAFE	196.1	127.4	95.3	30.0	58.2	14.1	**0.7	9.1	531.0
Higher education	305.5	248.5	166.9	62.3	90.0	13.4	9.1	23.0	918.7
Other institution	85.4	74.6	49.8	21.9	23.4	7.6	*1.6	4.4	268.7
Type of attendance									
Full-time	517.3	423.6	266.9	105.0	148.3	31.3	6.6	32.0	1 531.0
Part-time	303.8	221.6	172.0	63.5	84.3	23.5	8.9	17.9	895.5
<b>Total(c)</b>	<b>821.0</b>	<b>645.1</b>	<b>438.9</b>	<b>168.5</b>	<b>232.6</b>	<b>54.9</b>	<b>15.5</b>	<b>49.9</b>	<b>2 426.5</b>

- \* estimate has a relative standard error of 25% to 50% and should be used with caution
- \*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use
- . . not applicable
- nil or rounded to zero (including null cells)
- (a) Refers to mainly urban areas only. For more information see paragraph 11 of the Explanatory Notes.
- (b) Excludes boarding school pupils.
- (c) Includes boarding school pupils.

## ALL PERSONS, Whether enrolled in a course of study—May 1994 to May 2004

	1994	1996	1998	2000	2002	2003	2004
	'000	'000	'000	'000	'000	'000	'000
MALES							
Study leading to a qualification(a)							
Age group (years)							
15–19	467.3	471.3	501.5	521.8	523.3	529.1	528.0
20–24	200.0	219.7	215.3	216.7	245.8	244.4	245.0
25–34	131.3	173.0	151.2	157.5	186.2	177.8	174.6
35–44	90.4	74.5	90.2	84.2	96.0	100.8	92.8
45–54	29.3	42.3	38.3	42.6	46.9	46.7	46.9
55–64	8.7	10.8	9.8	8.3	9.4	16.3	18.6
Total	926.9	991.6	1 006.3	1 031.0	1 107.7	1 115.0	1 105.8
Study not leading to a qualification	63.1	44.5	40.7	49.1	43.3	40.7	39.1
Total enrolled	990.0	1 036.1	1 047.1	1 080.1	1 151.0	1 155.7	1 144.9
Total not enrolled	4 887.0	5 004.9	5 134.3	5 255.6	5 324.9	5 380.9	5 403.5
Total	5 877.0	6 041.1	6 181.3	6 335.7	6 475.9	6 536.6	6 548.4
FEMALES							
Study leading to a qualification(a)							
Age group (years)							
15–19	466.0	460.4	489.8	504.7	510.7	520.4	512.4
20–24	186.0	202.7	204.3	225.8	256.6	268.7	267.2
25–34	132.3	153.4	158.3	170.3	182.8	208.2	200.8
35–44	94.3	132.0	109.6	120.4	128.1	126.8	144.0
45–54	39.7	54.1	60.8	63.3	76.5	77.6	85.4
55–64	7.8	7.7	10.8	12.4	15.4	21.3	17.6
Total	926.1	1 010.3	1 033.6	1 096.9	1 170.1	1 223.1	1 227.3
Study not leading to a qualification	68.6	81.8	62.5	79.4	69.5	57.0	54.1
Total enrolled	994.7	1 092.1	1 096.0	1 176.3	1 239.5	1 280.1	1 281.5
Total not enrolled	4 853.9	4 909.0	5 063.5	5 140.7	5 211.4	5 258.4	5 343.2
Total	5 848.6	6 001.1	6 159.6	6 317.0	6 450.9	6 538.5	6 624.6
PERSONS							
Study leading to a qualification(a)							
Age group (years)							
15–19	933.3	931.7	991.4	1 026.5	1 034.0	1 049.5	1 040.4
20–24	386.0	422.4	419.6	442.5	502.4	513.1	512.2
25–34	263.6	326.3	309.5	327.8	369.0	386.0	375.4
35–44	184.7	206.5	199.8	204.6	224.1	227.5	236.7
45–54	69.0	96.4	99.1	105.9	123.4	124.3	132.3
55–64	16.5	18.5	20.6	20.6	24.8	37.6	36.2
Total	1 853.0	2 001.9	2 039.9	2 127.9	2 277.7	2 338.1	2 333.2
Study not leading to a qualification	131.7	126.4	103.2	128.5	112.8	97.8	93.2
Total enrolled	1 984.7	2 128.2	2 143.1	2 256.4	2 390.5	2 435.8	2 426.5
Total not enrolled	9 740.9	9 913.9	10 197.8	10 396.4	10 536.3	10 639.3	10 746.7
<b>Total</b>	<b>11 725.6</b>	<b>12 042.1</b>	<b>12 340.9</b>	<b>12 652.7</b>	<b>12 926.8</b>	<b>13 075.1</b>	<b>13 173.0</b>

(a) Includes persons studying for Year 12 or below.

# PERSONS ENROLLED IN A COURSE OF STUDY LEADING TO A QUALIFICATION, Level of education of current study—By age

Level of education of current study	AGE GROUP (YEARS)					Total
	15–19	20–24	25–34	35–44	45–64	
	'000	'000	'000	'000	'000	'000
MALES						
Postgraduate Degree	**0.5	12.5	27.8	16.0	9.5	66.3
Graduate Diploma/Graduate Certificate	**0.3	*5.9	10.2	6.7	6.6	29.7
Bachelor Degree	69.7	144.2	54.8	16.5	10.6	295.7
Advanced Diploma/Diploma	23.6	20.9	31.8	16.1	12.3	104.7
Certificate III/IV	60.5	47.1	26.2	22.0	12.9	168.8
Certificate I/II	8.7	*1.7	7.1	*2.3	*3.0	22.8
Certificate n.f.d.	9.3	7.3	12.0	10.3	7.3	46.3
Year 12	103.9	*2.8	**1.3	**0.1	**1.2	109.2
Year 11	114.9	—	—	—	—	114.9
Year 10 or below	123.1	—	—	—	—	123.1
Level not determined	**1.2	*2.3	*3.4	*2.8	*2.0	11.7
Total(a)	528.0	245.0	174.6	92.8	65.5	1 105.8
FEMALES						
Postgraduate Degree	**0.2	14.3	34.4	13.3	13.0	75.3
Graduate Diploma/Graduate Certificate	**1.2	8.1	16.6	7.9	7.8	41.6
Bachelor Degree	90.9	173.2	55.4	30.5	17.8	367.9
Advanced Diploma/Diploma	21.7	29.7	33.9	25.6	19.5	130.4
Certificate III/IV	21.4	22.1	30.3	34.5	22.6	131.0
Certificate I/II	7.0	*3.9	6.5	11.4	*5.9	34.6
Certificate n.f.d.	11.2	7.9	16.6	16.9	12.8	65.4
Year 12	117.0	*3.9	*1.8	**0.3	**0.2	123.2
Year 11	111.4	—	—	—	—	111.4
Year 10 or below	114.0	—	—	**0.4	—	114.4
Level not determined	*4.8	*4.0	*5.3	*3.1	*3.4	20.7
Total(a)	512.4	267.2	200.8	144.0	103.0	1 227.3
PERSONS						
Postgraduate Degree	**0.7	26.8	62.1	29.3	22.6	141.6
Graduate Diploma/Graduate Certificate	*1.5	14.0	26.8	14.6	14.4	71.3
Bachelor Degree	160.7	317.4	110.2	47.0	28.3	663.6
Advanced Diploma/Diploma	45.3	50.5	65.7	41.7	31.8	235.1
Certificate III/IV	82.0	69.2	56.6	56.5	35.5	299.7
Certificate I/II	15.7	*5.6	13.6	13.7	8.9	57.4
Certificate n.f.d.	20.5	15.3	28.6	27.1	20.1	111.6
Year 12	220.9	6.7	*3.0	**0.4	**1.4	232.4
Year 11	226.3	—	—	—	—	226.3
Year 10 or below	237.1	—	—	**0.4	—	237.5
Level not determined	6.1	6.3	8.7	*5.9	*5.4	32.4
Total(a)	1 040.4	512.2	375.4	236.7	168.5	2 333.2

\* estimate has a relative standard error of 25% to 50% and should be used with caution

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) Includes boarding school pupils.

# PERSONS ENROLLED IN A COURSE OF STUDY LEADING TO A QUALIFICATION, Main field of education of current study—By age

	AGE GROUP (YEARS)					Total
	15-19	20-24	25-34	35-44	45-64	
<i>Main field of education of current study</i>	'000	'000	'000	'000	'000	'000
<b>MALES</b>						
Natural and physical sciences	*5.8	13.0	6.8	**1.1	*1.6	28.2
Information technology	18.5	33.7	14.7	*5.9	*5.7	78.6
Engineering and related technologies	46.2	49.1	24.6	14.6	6.9	141.4
Architecture and building	20.0	18.2	10.9	*3.4	**0.5	53.0
Agriculture, environmental and related studies	6.3	6.7	*4.2	*4.4	*2.0	23.5
Health	*5.3	7.4	10.2	6.1	6.2	35.2
Education	*3.6	8.6	7.0	*3.4	*5.3	27.9
Management and commerce	28.4	57.0	52.9	36.8	19.2	194.3
Society and culture	11.6	27.1	26.7	11.0	13.3	89.7
Creative arts	14.9	15.6	8.4	*1.6	*2.2	42.7
Food, hospitality and personal services	7.9	*4.5	*1.8	**1.4	*0.8	16.4
Mixed field programmes(a)	354.7	*3.1	*2.4	**1.0	**1.2	362.3
Field not determined	*4.9	**1.0	*4.2	*2.2	**0.5	12.8
<b>Total</b>	<b>528.0</b>	<b>245.0</b>	<b>174.6</b>	<b>92.8</b>	<b>65.5</b>	<b>1 105.8</b>
<b>FEMALES</b>						
Natural and physical sciences	11.9	16.0	10.9	*1.5	*1.5	41.6
Information technology	*3.9	8.9	*5.5	*4.0	6.9	29.3
Engineering and related technologies	*2.3	6.4	*4.4	*2.8	*1.6	17.5
Architecture and building	*3.5	*4.8	*2.2	*2.0	*0.8	13.3
Agriculture, environmental and related studies	*1.6	*4.1	*3.9	*3.4	*2.4	15.5
Health	22.9	34.6	21.4	17.5	13.4	109.6
Education	8.2	24.6	13.5	15.3	12.0	73.5
Management and commerce	38.1	72.2	63.0	43.7	27.4	244.4
Society and culture	32.1	56.1	53.3	39.7	28.5	209.7
Creative arts	16.7	19.7	13.1	7.7	*5.4	62.6
Food, hospitality and personal services	12.8	8.5	*3.5	*2.4	*1.1	28.2
Mixed field programmes(a)	355.1	*4.3	*2.8	*2.1	*1.0	365.4
Field not determined	*3.3	7.0	*3.5	*1.7	*1.1	16.7
<b>Total</b>	<b>512.4</b>	<b>267.2</b>	<b>200.8</b>	<b>144.0</b>	<b>103.0</b>	<b>1 227.3</b>
<b>PERSONS</b>						
Natural and physical sciences	17.7	28.9	17.6	*2.5	*3.1	69.8
Information technology	22.4	42.6	20.2	10.0	12.7	107.8
Engineering and related technologies	48.4	55.5	29.0	17.4	8.5	158.8
Architecture and building	23.6	23.0	13.1	*5.4	**1.3	66.3
Agriculture, environmental and related studies	7.9	10.8	8.1	7.8	*4.5	39.0
Health	28.2	42.0	31.5	23.6	19.5	144.8
Education	11.8	33.2	20.4	18.7	17.3	101.4
Management and commerce	66.5	129.2	115.9	80.5	46.6	438.8
Society and culture	43.7	83.2	80.0	50.8	41.8	299.4
Creative arts	31.6	35.3	21.5	9.4	7.5	105.3
Food, hospitality and personal services	20.7	12.9	*5.3	*3.7	*1.9	44.6
Mixed field programmes(a)	709.8	7.4	*5.1	*3.1	*2.2	727.7
Field not determined	8.3	8.0	7.6	*3.9	*1.6	29.5
<b>Total</b>	<b>1 040.4</b>	<b>512.2</b>	<b>375.4</b>	<b>236.7</b>	<b>168.5</b>	<b>2 333.2</b>

\* estimate has a relative standard error of 25% to 50% and should be used with caution

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) Includes persons studying for Year 12 or below.

# PERSONS ENROLLED IN A COURSE OF STUDY LEADING TO A QUALIFICATION, Level and main field of education of current study

## LEVEL OF EDUCATION OF CURRENT STUDY

<i>Main field of education of current study</i>	<i>Postgraduate Degree</i>	<i>Graduate Diploma/ Graduate Certificate</i>	<i>Bachelor Degree</i>	<i>Advanced Diploma/ Diploma</i>	<i>Certificate III/IV</i>	<i>Certificate I/II</i>	<i>Certificate n.f.d.</i>	<i>Year 12 or below(a)</i>	<i>Total(b)</i>
	'000	'000	'000	'000	'000	'000	'000	'000	'000
Natural and physical sciences	11.7	*2.0	52.2	*2.2	**0.7	—	**0.9	—	69.8
Information technology	9.8	*3.9	47.0	18.2	10.4	7.5	9.0	—	107.8
Engineering and related technologies	7.2	**1.2	37.1	16.4	75.6	*5.9	13.6	—	158.8
Architecture and building	**0.4	*2.3	15.6	6.0	32.4	*2.7	6.5	—	66.3
Agriculture, environmental and related studies	**1.2	**0.3	10.7	*5.9	13.0	*1.8	*5.5	—	39.0
Health	11.4	10.9	77.9	19.1	13.3	*1.9	6.4	—	144.8
Education	15.9	13.7	55.1	*4.1	8.6	**0.2	*3.1	—	101.4
Management and commerce	50.6	20.3	163.3	80.6	72.9	16.8	26.5	—	438.8
Society and culture	24.7	13.7	138.8	44.7	39.4	9.4	22.6	—	299.4
Creative arts	6.4	*2.3	47.4	27.1	9.2	*3.2	7.2	—	105.3
Food, hospitality and personal services	—	—	*3.0	8.6	21.0	6.1	*5.9	—	44.6
Mixed field programmes(c)	—	—	—	**0.4	**1.0	*1.9	*2.1	720.4	727.7
Field not determined	*2.2	**0.8	15.6	*1.6	*2.2	—	*2.4	—	29.5
<b>Total</b>	<b>141.6</b>	<b>71.3</b>	<b>663.6</b>	<b>235.1</b>	<b>299.7</b>	<b>57.4</b>	<b>111.6</b>	<b>720.4</b>	<b>2 333.2</b>

\* estimate has a relative standard error of 25% to 50% and should be used with caution

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) Includes boarding school pupils.

(b) Includes persons whose level of education of current study could not be determined.

(c) Includes persons studying for Year 12 or below.

PERSONS ENROLLED IN A COURSE OF STUDY LEADING TO A QUALIFICATION, Level of education of current study—By labour force status

LABOUR FORCE STATUS

Level of education of current study	Full-time workers '000	Part-time workers '000	Total employed '000	Unemployed '000	In the labour force '000	Not in the labour force '000	Total '000
MALES							
Postgraduate Degree	36.5	12.4	48.8	*3.5	52.3	14.0	66.3
Graduate Diploma/Graduate Certificate	22.3	*4.7	27.0	**1.1	28.1	*1.6	29.7
Bachelor Degree	53.6	122.1	175.7	14.7	190.4	105.3	295.7
Advanced Diploma/Diploma	51.9	27.0	79.0	*4.5	83.5	21.2	104.7
Certificate III/IV	129.9	16.3	146.2	7.7	153.9	14.9	168.8
Certificate I/II	9.1	*4.0	13.0	*3.4	16.4	6.4	22.8
Certificate n.f.d.	25.9	9.5	35.4	*2.0	37.4	8.9	46.3
Year 12	*1.9	39.8	41.7	6.0	47.7	61.6	109.2
Year 11	**0.3	41.0	41.3	10.5	51.8	63.1	114.9
Year 10 or below	—	31.2	31.2	9.7	40.8	82.3	123.1
Level not determined	7.7	*2.2	9.9	**0.2	10.1	*1.6	11.7
Total(a)	339.1	310.1	649.2	63.2	712.4	393.4	1 105.8
FEMALES							
Postgraduate Degree	34.5	21.1	55.6	*2.9	58.5	16.7	75.3
Graduate Diploma/Graduate Certificate	22.4	11.6	34.0	*1.6	35.6	6.1	41.6
Bachelor Degree	53.5	183.4	236.9	18.5	255.3	112.6	367.9
Advanced Diploma/Diploma	43.7	49.8	93.5	*5.3	98.8	31.6	130.4
Certificate III/IV	57.4	40.2	97.6	6.6	104.1	26.8	131.0
Certificate I/II	8.6	8.3	16.9	*3.9	20.8	13.9	34.6
Certificate n.f.d.	23.7	21.3	45.0	*3.6	48.6	16.8	65.4
Year 12	*1.7	56.9	58.6	7.2	65.8	57.4	123.2
Year 11	—	48.5	48.5	7.3	55.8	55.6	111.4
Year 10 or below	—	36.4	36.4	11.6	48.0	66.4	114.4
Level not determined	7.6	6.3	13.9	**1.3	15.1	*5.6	20.7
Total(a)	253.0	483.8	736.8	69.7	806.5	420.8	1 227.3
PERSONS							
Postgraduate Degree	71.0	33.5	104.5	6.4	110.9	30.7	141.6
Graduate Diploma/Graduate Certificate	44.7	16.3	61.0	*2.7	63.6	7.7	71.3
Bachelor Degree	107.0	305.5	412.6	33.2	445.8	217.8	663.6
Advanced Diploma/Diploma	95.6	76.9	172.5	9.8	182.3	52.8	235.1
Certificate III/IV	187.3	56.4	243.8	14.2	258.0	41.7	299.7
Certificate I/II	17.7	12.2	29.9	7.3	37.2	20.2	57.4
Certificate n.f.d.	49.6	30.8	80.4	*5.6	86.0	25.7	111.6
Year 12	*3.6	96.7	100.2	13.2	113.4	119.0	232.4
Year 11	**0.3	89.5	89.8	17.8	107.6	118.6	226.3
Year 10 or below	—	67.6	67.6	21.3	88.9	148.6	237.5
Level not determined	15.3	8.5	23.8	*1.5	25.3	7.1	32.4
Total(a)	592.2	793.9	1 386.0	132.9	1 519.0	814.2	2 333.2

\* estimate has a relative standard error of 25% to 50% and should be used with caution

— nil or rounded to zero (including null cells)

(a) Includes boarding school pupils.

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

# ALL PERSONS, Proportion of persons with a non-school qualification(a)—May 1994 to May 2004

	1994	1996	1998	2000	2002	2003	2004
LEVEL OF HIGHEST NON-SCHOOL QUALIFICATION (%) (b)							
Bachelor Degree or above							
Age group (years)							
15-24	5.2	5.8	6.0	6.6	7.7	7.5	7.5
25-34	14.7	15.8	19.3	22.2	24.8	25.0	27.0
35-44	16.3	18.3	18.4	19.0	21.2	21.3	22.0
45-54	12.2	13.8	15.6	17.3	19.9	20.6	21.6
55-64	7.0	8.3	10.1	11.1	13.2	14.4	15.2
Total	11.5	12.8	14.3	15.7	17.8	18.1	18.9
Advanced Diploma/Diploma or below							
Age group (years)							
15-24	16.6	17.5	16.1	15.9	17.2	17.9	18.2
25-34	31.8	34.3	32.4	31.9	33.7	34.7	35.7
35-44	32.0	34.0	32.3	32.9	34.4	35.1	35.8
45-54	30.6	32.4	30.0	31.6	33.3	32.8	34.8
55-64	26.5	28.9	26.0	27.5	30.0	30.0	31.6
Total	27.5	29.4	27.6	28.1	29.8	30.2	31.3
Total with non-school qualifications(c)							
Age group (years)							
15-24	21.8	23.2	22.1	22.4	25.1	25.7	25.9
25-34	46.6	50.1	51.6	54.0	59.1	60.4	63.2
35-44	48.4	52.2	50.7	52.0	56.4	57.5	58.9
45-54	42.8	46.2	45.6	48.9	54.0	54.5	57.1
55-64	33.6	37.1	36.1	38.6	44.2	45.6	47.9
Total	39.0	42.3	41.9	43.8	48.2	49.1	50.9
TOTAL PERSONS ('000)							
All persons							
Age group (years)							
15-24	2 698.6	2 670.7	2 639.8	2 681.0	2 726.6	2 771.0	2 760.9
25-34	2 781.9	2 821.6	2 841.7	2 852.1	2 867.7	2 877.4	2 801.4
35-44	2 663.5	2 757.6	2 840.2	2 896.8	2 895.0	2 897.0	2 918.7
45-54	2 116.5	2 288.3	2 434.2	2 543.5	2 614.5	2 629.2	2 678.8
55-64	1 465.1	1 504.0	1 585.0	1 679.2	1 823.0	1 900.5	2 013.3
<b>Total</b>	<b>11 725.6</b>	<b>12 042.1</b>	<b>12 340.9</b>	<b>12 652.7</b>	<b>12 926.8</b>	<b>13 075.1</b>	<b>13 173.0</b>

- (a) Non-school qualification refers to educational attainments other than those of pre-primary, primary or secondary education.  
 (b) Persons in a particular age group with a non-school qualification as a percentage of the total population in that age group.  
 (c) Includes persons whose highest non-school qualification was at a level not determined.

## ALL PERSONS, Non-school qualification(a)—Selected characteristics

	NSW	Vic.	Qld	SA	WA	Tas.	NT(b)	ACT	Aust.
LEVEL OF HIGHEST NON-SCHOOL QUALIFICATION ('000)									
Postgraduate Degree	151.9	96.8	50.7	22.4	24.4	6.7	3.4	13.1	369.5
Graduate Diploma/Graduate Certificate	97.0	105.4	52.4	24.7	32.7	5.7	3.0	9.6	330.6
Bachelor Degree	635.1	491.9	300.5	110.7	162.1	30.1	12.2	45.1	1 787.6
Advanced Diploma/Diploma	395.9	253.7	174.9	65.1	94.0	18.4	5.5	20.2	1 027.8
Certificate III/IV	630.1	478.4	445.4	171.7	217.1	48.8	22.5	24.1	2 038.1
Certificate I/II	314.2	164.7	149.8	65.1	90.0	19.1	3.4	12.9	819.3
Certificate n.f.d.	88.0	53.6	40.9	18.7	22.4	4.0	*1.3	3.3	232.1
Level not determined	36.4	19.3	15.9	6.9	10.5	2.8	*1.4	*0.9	94.0
<i>Total with a non-school qualification</i>	<i>2 348.7</i>	<i>1 663.9</i>	<i>1 230.5</i>	<i>485.3</i>	<i>653.1</i>	<i>135.6</i>	<i>52.8</i>	<i>129.2</i>	<i>6 699.2</i>
<i>Total without a non-school qualification</i>	<i>2 050.3</i>	<i>1 644.4</i>	<i>1 297.1</i>	<i>513.9</i>	<i>654.9</i>	<i>169.6</i>	<i>49.1</i>	<i>94.5</i>	<i>6 473.9</i>
<b>Total</b>	<b>4 399.0</b>	<b>3 308.3</b>	<b>2 527.6</b>	<b>999.2</b>	<b>1 308.0</b>	<b>305.2</b>	<b>101.9</b>	<b>223.8</b>	<b>13 173.0</b>
PROPORTION OF PERSONS WITH A NON-SCHOOL QUALIFICATION (%)									
Sex									
Males	56.0	52.8	51.7	51.7	53.1	48.2	56.9	59.0	53.6
Females	50.9	47.8	45.7	45.5	46.8	40.8	46.6	56.5	48.1
Age group (years)									
15–19	6.3	9.1	9.6	8.4	9.9	7.6	**6.6	*5.5	8.2
20–24	42.9	43.4	41.8	45.0	47.2	47.5	40.2	41.6	43.4
25–34	66.1	64.7	59.9	60.6	58.8	51.5	62.2	70.0	63.2
35–44	64.4	57.4	55.9	54.4	53.9	50.6	62.6	64.9	58.9
45–54	59.1	55.7	55.8	54.2	58.9	50.1	49.3	70.1	57.1
55–64	50.7	44.6	45.6	46.6	50.8	43.7	50.4	63.9	47.9
Country of birth									
Born in Australia	52.1	49.9	47.1	47.4	47.1	42.0	49.8	57.5	49.5
Born overseas	56.6	51.9	55.0	52.7	56.1	61.6	59.0	58.7	54.9
Area of usual residence									
State capital city	55.4	51.8	50.6	50.1	51.0	46.4	..	..	52.5
Balance of state/territory	49.6	46.0	47.0	44.0	46.6	42.9	51.8	57.8	47.9
Labour force status									
In the labour force	59.9	57.0	53.6	54.9	55.6	51.3	55.9	62.2	57.0
Employed	61.1	57.9	54.7	56.0	56.6	52.5	57.4	63.3	58.1
Full-time workers	65.9	62.2	58.6	60.2	60.7	56.3	60.4	70.3	62.5
Part-time workers	48.7	46.9	45.1	46.4	46.7	43.9	42.9	45.5	47.0
Unemployed	39.3	42.2	34.4	38.1	37.0	33.2	*23.7	33.5	38.4
Not in the labour force	33.3	30.4	33.2	30.1	31.8	26.4	31.9	39.0	32.0
Highest year of school completed									
Year 12	67.1	65.4	62.5	64.8	62.6	63.6	67.6	67.6	65.2
Year 11	40.7	44.2	41.4	46.0	42.5	39.6	47.7	40.7	43.1
Year 10 or below	39.3	31.0	36.3	29.4	38.4	34.9	37.2	37.6	36.0
<b>Total</b>	<b>53.4</b>	<b>50.3</b>	<b>48.7</b>	<b>48.6</b>	<b>49.9</b>	<b>44.4</b>	<b>51.8</b>	<b>57.8</b>	<b>50.9</b>
* estimate has a relative standard error of 25% to 50% and should be used with caution ** estimate has a relative standard error greater than 50% and is considered too unreliable for general use .. not applicable									
(a) Non-school qualification refers to educational attainments other than those of pre-primary, primary or secondary education.				(b) Refers to mainly urban areas only. For more information see paragraph 11 of the Explanatory Notes.					

# PERSONS WITH A NON-SCHOOL QUALIFICATION(a), Level and main field of highest non-school qualification—By age

		AGE GROUP (YEARS)						
		15-19	20-24	25-34	35-44	45-54	55-64	Total
		'000	'000	'000	'000	'000	'000	'000
MALES								
Level of highest non-school qualification								
Postgraduate Degree	—	*3.4	39.0	63.8	65.2	47.4	218.8	
Graduate Diploma/Graduate Certificate	—	*5.4	22.6	34.3	39.1	19.6	121.1	
Bachelor Degree	—	72.6	258.0	213.4	173.5	100.2	817.7	
Advanced Diploma/Diploma	*3.1	34.9	116.9	116.7	113.7	72.7	458.1	
Certificate III/IV	13.2	112.1	343.2	375.6	351.8	263.5	1 459.5	
Certificate I/II	19.3	24.9	61.3	62.9	58.7	49.4	276.3	
Certificate n.f.d.	12.9	28.0	29.3	20.6	10.9	*3.8	105.4	
Level not determined	*1.6	*2.4	10.1	16.8	11.1	12.5	54.6	
Main field of highest non-school qualification								
Natural and physical sciences	**0.3	9.2	32.1	37.3	31.2	22.8	132.9	
Information technology	7.0	35.7	52.7	44.6	22.0	6.9	168.9	
Engineering and related technologies	12.4	75.0	268.6	328.1	311.5	239.8	1 235.4	
Architecture and building	*3.5	30.0	104.3	106.9	98.5	73.0	416.2	
Agriculture, environmental and related studies	*3.1	15.0	41.7	39.6	26.2	14.4	140.0	
Health	**0.7	7.4	36.1	39.9	40.4	24.1	148.6	
Education	**0.5	*3.2	17.6	28.8	45.7	27.1	122.8	
Management and commerce	7.2	46.2	157.7	148.9	125.1	80.9	565.9	
Society and culture	*2.9	15.0	66.7	60.9	61.6	47.8	254.9	
Creative arts	*3.5	20.7	40.3	21.4	24.2	8.1	118.3	
Food, hospitality and personal services	7.9	23.2	52.6	37.4	27.6	16.6	165.4	
Mixed field programmes	**1.0	**1.4	**0.5	**0.8	**0.3	**0.4	*4.3	
Field not determined	**0.1	*1.8	9.6	9.5	9.7	7.2	37.9	
Total		50.1	283.8	880.5	904.1	823.9	569.0	3 511.4
FEMALES								
Level of highest non-school qualification								
Postgraduate Degree	—	*2.9	44.2	46.2	43.6	13.9	150.8	
Graduate Diploma/Graduate Certificate	**0.4	6.9	51.4	52.9	67.9	30.1	209.6	
Bachelor Degree	—	114.8	340.0	231.2	188.4	95.6	970.0	
Advanced Diploma/Diploma	*3.9	57.8	141.1	150.1	133.5	83.3	569.7	
Certificate III/IV	22.3	83.6	154.0	145.0	109.6	64.1	578.6	
Certificate I/II	23.7	24.0	123.1	148.6	131.1	92.4	543.0	
Certificate n.f.d.	11.8	27.2	30.5	26.3	23.0	7.9	126.7	
Level not determined	**0.6	*1.7	6.1	14.0	8.6	8.5	39.4	
Main field of highest non-school qualification								
Natural and physical sciences	—	11.9	37.3	24.9	20.2	11.8	106.0	
Information technology	**1.4	9.1	27.6	29.7	18.6	7.1	93.6	
Engineering and related technologies	**0.8	8.5	24.1	26.9	14.4	13.6	88.3	
Architecture and building	—	*5.2	12.2	10.0	*3.8	*1.9	33.1	
Agriculture, environmental and related studies	*1.5	*5.3	18.9	9.3	6.7	*1.5	43.3	
Health	*3.5	27.4	100.2	136.9	135.2	83.0	486.2	
Education	**1.0	16.6	82.2	93.0	119.9	68.2	380.8	
Management and commerce	23.1	105.5	278.2	249.5	187.3	104.7	948.3	
Society and culture	7.3	61.6	158.8	125.7	127.6	59.2	540.2	
Creative arts	*3.1	31.5	56.6	38.0	23.7	15.0	167.9	
Food, hospitality and personal services	20.2	34.0	82.9	59.9	37.4	26.1	260.5	
Mixed field programmes	**0.4	**1.1	**0.8	*2.6	*2.4	**0.8	8.1	
Field not determined	**0.4	**1.3	10.6	7.7	8.5	*2.8	31.4	
Total		62.6	319.2	890.3	814.2	705.7	395.8	3 187.8
* estimate has a relative standard error of 25% to 50% and should be used with caution								
		—	nil or rounded to zero (including null cells)					
		(a)	Non-school qualification refers to educational attainments other than those of pre-primary, primary or secondary education.					
** estimate has a relative standard error greater than 50% and is considered too unreliable for general use								

PERSONS WITH A NON-SCHOOL QUALIFICATION(a), Level and main field of highest non-school qualification—By age *continued*

	AGE GROUP (YEARS)						
	15–19	20–24	25–34	35–44	45–54	55–64	Total
	'000	'000	'000	'000	'000	'000	'000
PERSONS							
Level of highest non-school qualification							
Postgraduate Degree	—	6.3	83.2	110.0	108.7	61.3	369.5
Graduate Diploma/Graduate Certificate	**0.4	12.4	74.0	87.2	107.0	49.7	330.6
Bachelor Degree	—	187.4	598.0	444.6	361.9	195.8	1 787.6
Advanced Diploma/Diploma	7.0	92.7	258.0	266.8	247.3	156.0	1 027.8
Certificate III/IV	35.5	195.8	497.2	520.6	461.4	327.7	2 038.1
Certificate I/II	42.9	48.9	184.4	211.6	189.8	141.8	819.3
Certificate n.f.d.	24.7	55.2	59.8	46.9	33.9	11.7	232.1
Level not determined	*2.2	*4.2	16.2	30.8	19.7	21.0	94.0
Main field of highest non-school qualification							
Natural and physical sciences	**0.3	21.1	69.4	62.2	51.4	34.6	239.0
Information technology	8.4	44.8	80.3	74.4	40.6	13.9	262.5
Engineering and related technologies	13.2	83.6	292.7	355.0	325.8	253.4	1 323.7
Architecture and building	*3.5	35.1	116.5	116.8	102.3	75.0	449.3
Agriculture, environmental and related studies	*4.7	20.4	60.6	48.9	32.9	15.9	183.3
Health	*4.2	34.8	136.3	176.9	175.6	107.1	634.8
Education	**1.4	19.8	99.7	121.7	165.6	95.3	503.5
Management and commerce	30.2	151.7	436.0	398.4	312.4	185.5	1 514.2
Society and culture	10.2	76.6	225.6	186.6	189.1	107.0	795.1
Creative arts	6.7	52.2	96.9	59.4	47.9	23.1	286.2
Food, hospitality and personal services	28.1	57.2	135.4	97.3	65.0	42.7	425.9
Mixed field programmes	**1.3	*2.5	**1.2	*3.4	*2.6	**1.2	12.3
Field not determined	**0.5	*3.1	20.2	17.2	18.2	10.0	69.3
Total	112.8	602.9	1 770.8	1 718.3	1 529.6	964.8	6 699.2

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LEVEL OF HIGHEST NON-SCHOOL QUALIFICATION

<i>Main field of highest non-school qualification</i>	<i>Postgraduate Degree</i>	<i>Graduate Diploma/ Graduate Certificate</i>	<i>Bachelor degree</i>	<i>Advanced Diploma/ Diploma</i>	<i>Certificate III/IV</i>	<i>Certificate I/II</i>	<i>Certificate n.f.d.</i>	<i>Level not determined</i>	<i>Total</i>
	'000	'000	'000	'000	'000	'000	'000	'000	'000
Natural and physical sciences	53.6	8.1	143.6	17.8	*5.2	8.2	*1.8	**0.8	239.0
Information technology	20.2	19.3	84.0	57.7	28.1	35.7	16.0	*1.4	262.5
Engineering and related technologies	28.5	8.7	161.5	116.2	859.3	102.0	29.1	18.3	1 323.7
Architecture and building	*5.1	*2.0	38.4	27.4	333.2	21.9	8.9	12.3	449.3
Agriculture, environmental and related studies	9.7	*2.0	33.9	34.1	54.0	37.1	10.4	*2.1	183.3
Health	45.1	54.4	255.1	132.4	88.0	30.0	17.2	12.6	634.8
Education	32.7	108.6	223.4	106.7	22.2	*3.5	*5.3	**1.2	503.5
Management and commerce	91.0	63.8	334.6	284.4	226.5	420.6	70.3	23.0	1 514.2
Society and culture	70.5	52.6	366.4	113.1	117.0	41.9	23.2	10.4	795.1
Creative arts	10.1	10.0	108.3	80.6	32.6	23.8	17.1	*3.7	286.2
Food, hospitality and personal services	—	—	*5.4	45.1	264.5	84.3	25.2	*1.4	425.9
Mixed field programmes	—	—	**0.4	—	**0.2	*4.7	*4.9	*2.2	12.3
Field not determined	*3.0	**1.2	32.6	12.2	7.4	5.6	*2.7	*4.6	69.3
<b>Total</b>	<b>369.5</b>	<b>330.6</b>	<b>1 787.6</b>	<b>1 027.8</b>	<b>2 038.1</b>	<b>819.3</b>	<b>232.1</b>	<b>94.0</b>	<b>6 699.2</b>

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## LABOUR FORCE STATUS

	<i>Full-time workers</i>	<i>Part-time workers</i>	<i>Total employed</i>	<i>Unemployed</i>	<i>In the labour force</i>	<i>Not in the labour force</i>	<i>Total</i>
	'000	'000	'000	'000	'000	'000	'000
YEAR 12							
Level of highest non-school qualification(a)							
Postgraduate Degree	268.6	40.2	308.8	10.8	319.5	35.7	355.2
Graduate Diploma/Graduate Certificate	188.3	68.1	256.5	6.5	263.0	32.3	295.3
Bachelor Degree	1 080.4	319.4	1 399.8	43.2	1 442.9	217.2	1 660.1
Advanced Diploma/Diploma	430.2	169.6	599.9	20.5	620.4	121.9	742.4
Certificate III/IV	443.3	101.7	545.0	23.0	568.0	69.2	637.3
Certificate I/II	162.1	75.6	237.7	14.3	252.0	61.2	313.2
Certificate n.f.d.	67.7	20.7	88.4	6.4	94.7	14.3	109.1
Level not determined	26.8	6.6	33.4	—	33.4	7.0	40.3
<i>Total with a non school qualification</i>	<i>2 667.4</i>	<i>801.9</i>	<i>3 469.4</i>	<i>124.7</i>	<i>3 594.0</i>	<i>558.9</i>	<i>4 152.9</i>
<i>Total without a non-school qualification</i>	<i>1 014.1</i>	<i>565.9</i>	<i>1 580.0</i>	<i>111.0</i>	<i>1 691.0</i>	<i>523.6</i>	<i>2 214.6</i>
<i>Total</i>	<i>3 681.5</i>	<i>1 367.9</i>	<i>5 049.4</i>	<i>235.6</i>	<i>5 285.0</i>	<i>1 082.4</i>	<i>6 367.5</i>

## YEAR 11

Level of highest non-school qualification(a)							
Postgraduate Degree	*4.2	**0.2	*4.4	—	*4.4	**0.3	*4.8
Graduate Diploma/Graduate Certificate	9.9	*3.3	13.2	**1.1	14.3	*2.1	16.3
Bachelor Degree	24.6	10.7	35.3	**1.3	36.7	12.3	49.0
Advanced Diploma/Diploma	61.2	24.7	85.9	*3.6	89.6	16.6	106.1
Certificate III/IV	223.3	50.2	273.5	11.1	284.6	32.6	317.2
Certificate I/II	59.4	27.8	87.2	*4.9	92.1	28.4	120.5
Certificate n.f.d.	17.5	11.3	28.9	*3.0	31.9	*5.4	37.2
Level not determined	*5.0	*3.3	8.4	**0.7	9.1	*3.6	12.7
<i>Total with a non school qualification</i>	<i>405.1</i>	<i>131.7</i>	<i>536.8</i>	<i>25.8</i>	<i>562.6</i>	<i>101.2</i>	<i>663.8</i>
<i>Total without a non-school qualification</i>	<i>341.1</i>	<i>215.0</i>	<i>556.0</i>	<i>42.4</i>	<i>598.5</i>	<i>276.2</i>	<i>874.7</i>
<i>Total</i>	<i>746.2</i>	<i>346.7</i>	<i>1 092.8</i>	<i>68.2</i>	<i>1 161.0</i>	<i>377.5</i>	<i>1 538.5</i>

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## LABOUR FORCE STATUS

<i>Full-time workers</i>	<i>Part-time workers</i>	<i>Total employed</i>	<i>Unemployed</i>	<i>In the labour force</i>	<i>Not in the labour force</i>	<i>Total</i>
'000	'000	'000	'000	'000	'000	'000

## YEAR 10 OR BELOW

## Level of highest non-school qualification(a)

Postgraduate Degree	6.0	**1.3	7.3	**0.7	8.0	*1.5	9.5
Graduate Diploma/Graduate Certificate	11.9	*3.9	15.7	**0.2	16.0	*3.1	19.0
Bachelor Degree	43.5	17.9	61.4	**0.7	62.1	16.2	78.3
Advanced Diploma/Diploma	92.7	42.8	135.6	*4.3	139.8	39.4	179.3
Certificate III/IV	748.7	131.2	879.8	29.1	908.9	174.3	1 083.2
Certificate I/II	156.8	97.7	254.5	19.5	274.0	111.2	385.2
Certificate n.f.d.	39.9	19.2	59.1	8.3	67.5	18.3	85.8
Level not determined	24.0	8.1	32.2	**0.7	32.8	8.2	41.0
<i>Total with a non school qualification</i>	<i>1 123.5</i>	<i>322.2</i>	<i>1 445.7</i>	<i>63.5</i>	<i>1 509.2</i>	<i>372.2</i>	<i>1 881.4</i>
<i>Total without a non-school qualification</i>	<i>1 161.3</i>	<i>635.1</i>	<i>1 796.4</i>	<i>190.1</i>	<i>1 986.5</i>	<i>1 351.6</i>	<i>3 338.1</i>
<i>Total</i>	<i>2 284.8</i>	<i>957.3</i>	<i>3 242.1</i>	<i>253.6</i>	<i>3 495.6</i>	<i>1 723.8</i>	<i>5 219.4</i>

## TOTAL (b)

## Level of highest non-school qualification(a)

Postgraduate Degree	278.9	41.7	320.5	11.5	332.0	37.5	369.5
Graduate Diploma/Graduate Certificate	210.1	75.3	285.4	7.8	293.2	37.4	330.6
Bachelor Degree	1 148.7	348.0	1 496.7	45.2	1 541.9	245.7	1 787.6
Advanced Diploma/Diploma	584.2	237.2	821.4	28.5	849.8	178.0	1 027.8
Certificate III/IV	1 415.3	283.1	1 698.3	63.2	1 761.5	276.6	2 038.1
Certificate I/II	378.7	201.2	579.9	38.7	618.6	200.8	819.3
Certificate n.f.d.	125.1	51.2	176.4	17.7	194.1	38.0	232.1
Level not determined	55.8	18.1	73.9	**1.4	75.3	18.7	94.0
<i>Total with a non school qualification</i>	<i>4 196.7</i>	<i>1 255.8</i>	<i>5 452.5</i>	<i>213.9</i>	<i>5 666.5</i>	<i>1 032.7</i>	<i>6 699.2</i>
<i>Total without a non-school qualification</i>	<i>2 521.9</i>	<i>1 417.3</i>	<i>3 939.2</i>	<i>343.6</i>	<i>4 282.8</i>	<i>2 191.1</i>	<i>6 473.9</i>
<b>Total</b>	<b>6 718.6</b>	<b>2 673.1</b>	<b>9 391.7</b>	<b>557.5</b>	<b>9 949.2</b>	<b>3 223.8</b>	<b>13 173.0</b>

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(a) Non-school qualification refers to educational attainments other than those of pre-primary, primary or secondary education.

(b) Includes persons who never attended school and boarding school pupils.

## LEVEL OF HIGHEST NON-SCHOOL QUALIFICATION

	Post-graduate Degree	Graduate Diploma/ Graduate Certificate	Bachelor Degree	Advanced Diploma/ Diploma	Cert. III/IV	Cert. I/II	Cert. n.f.d.	Without non-school qualification	Total(b)
	'000	'000	'000	'000	'000	'000	'000	'000	'000
<b>Sex</b>									
Males	200.6	109.7	729.7	394.2	1 276.8	227.6	86.9	2 114.6	5 186.2
Females	120.0	175.7	767.0	427.2	421.5	352.3	89.5	1 824.6	4 205.5
<b>Age group (years)</b>									
15–19	—	**0.4	—	*5.5	27.2	32.8	16.1	610.8	694.3
20–24	*4.2	11.8	151.5	78.2	166.3	38.5	42.6	533.0	1 029.1
25–34	70.0	64.7	516.0	207.7	425.9	131.1	47.8	696.1	2 174.7
35–44	95.9	76.7	380.3	218.8	461.4	153.0	36.2	848.1	2 297.6
45–54	100.3	96.5	313.6	212.6	400.0	145.3	27.6	798.9	2 108.4
55–59	34.7	25.6	94.5	68.3	144.9	50.2	*5.4	299.9	732.4
60–64	15.4	9.7	40.8	30.3	72.8	29.0	**0.8	152.4	355.2
<b>Country of birth</b>									
Born in Australia	171.3	206.7	1 013.9	578.7	1 342.4	448.3	143.9	3 094.6	7 051.1
Born overseas	149.2	78.7	482.8	242.7	355.9	131.6	32.4	844.6	2 340.6
<b>Occupation</b>									
Managers and administrators	38.9	27.6	141.5	76.3	109.7	35.2	7.7	208.0	650.8
Professionals	220.3	188.3	842.1	232.0	95.8	39.6	9.3	192.1	1 830.1
Associate professionals	33.1	28.2	177.0	159.8	233.9	78.4	26.0	397.4	1 145.0
Tradespersons and related workers	*2.6	*4.3	30.6	50.4	656.2	52.9	19.9	378.1	1 207.1
Advanced clerical and service workers	*2.9	6.8	43.0	41.3	37.5	60.3	9.5	173.0	377.2
Intermediate clerical, sales and service workers	13.2	18.2	153.0	158.5	236.3	144.2	47.1	816.6	1 599.6
Intermediate production and transport workers	*4.8	*3.7	25.3	25.0	141.3	44.4	15.1	516.0	783.4
Elementary clerical, sales and service workers	*1.6	*4.9	57.1	47.4	80.8	68.5	18.6	653.8	937.0
Labourers and related workers	*3.1	*3.4	27.2	30.7	106.7	56.3	23.1	604.2	861.5
<b>Industry</b>									
Agriculture, forestry and fishing	*2.6	*2.6	16.5	24.0	44.2	24.4	6.9	193.3	316.8
Mining	*3.0	**0.7	13.9	*5.9	33.6	*5.6	*2.4	35.9	101.8
Manufacturing	19.7	13.7	107.6	74.6	278.2	67.6	14.0	493.0	1 076.9
Electricity, gas and water supply	6.2	**0.8	11.5	6.5	24.1	*4.1	**0.1	22.1	75.5
Construction	*3.4	*4.1	38.6	34.2	334.4	39.4	16.5	309.8	790.2
Wholesale trade	7.6	6.5	55.6	33.3	81.2	31.9	6.6	212.7	437.1
Retail trade	6.9	12.0	83.5	70.5	234.5	93.7	28.3	877.6	1 414.5
Accommodation, cafes and restaurants	*1.3	*3.2	38.2	30.3	68.5	28.4	13.4	272.1	456.8
Transport and storage	6.4	*2.6	32.5	34.6	83.7	30.5	6.8	225.4	425.4
Communication services	6.1	*3.5	26.3	19.3	27.4	9.9	*2.4	75.8	171.6
Finance and insurance	20.7	12.2	76.8	41.4	23.5	18.9	*5.7	133.8	335.7
Property and business services	55.4	32.8	285.0	118.9	127.7	70.9	26.8	344.2	1 073.3
Government administration and defence	31.8	24.8	106.6	45.8	55.1	28.1	*4.6	144.0	443.0
Education	80.0	87.1	273.8	84.7	41.5	25.2	9.2	108.1	715.1
Health and community services	54.7	63.4	242.9	130.7	138.5	56.3	17.1	233.3	946.3
Cultural and recreational services	*5.0	6.0	43.0	19.6	23.8	19.5	6.8	106.9	234.0
Personal and other services	9.7	9.5	44.5	46.9	78.5	25.5	8.9	151.3	377.8
<b>Total</b>	<b>320.5</b>	<b>285.4</b>	<b>1 496.7</b>	<b>821.4</b>	<b>1 698.3</b>	<b>579.9</b>	<b>176.4</b>	<b>3 939.2</b>	<b>9 391.7</b>

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(b) Includes level not determined.

<i>Level of highest educational attainment</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT(b)</i>	<i>ACT</i>	<i>Aust.</i>
	'000	'000	'000	'000	'000	'000	'000	'000	'000
<b>MALES</b>									
Postgraduate Degree	90.8	55.8	31.5	13.3	13.8	3.3	*2.0	8.2	218.8
Graduate Diploma/Graduate Certificate	35.6	38.0	18.5	9.3	12.3	*1.9	*0.8	4.6	121.1
Bachelor Degree	302.8	219.9	131.1	50.6	75.7	11.8	4.5	21.4	817.7
Advanced Diploma/Diploma	174.2	113.8	77.0	28.8	43.9	8.0	2.7	9.8	458.1
Certificate III/IV	460.1	341.6	317.2	119.3	154.0	36.1	16.0	15.3	1 459.5
Certificate I/II	12.2	13.7	7.1	3.9	6.4	*1.5	**0.3	**0.4	45.5
Certificate n.f.d.	*4.6	*1.4	**1.0	*1.0	**0.7	**0.3	—	**0.2	9.1
Year 12	419.0	323.3	242.3	84.6	128.5	19.2	7.0	27.0	1 250.9
Year 11	86.0	153.6	78.6	70.4	48.5	9.4	5.3	4.8	456.7
Year 10 or below	576.3	363.9	336.5	115.4	158.6	56.4	11.5	17.5	1 636.1
Level not determined	19.7	9.4	10.4	3.6	7.7	2.0	*1.3	**0.4	54.6
<b>Total(c)</b>	<b>2 186.9</b>	<b>1 639.8</b>	<b>1 257.6</b>	<b>500.5</b>	<b>652.1</b>	<b>150.2</b>	<b>51.6</b>	<b>109.8</b>	<b>6 548.4</b>
<b>FEMALES</b>									
Postgraduate Degree	61.0	41.0	19.3	9.1	10.6	3.4	*1.4	4.9	150.8
Graduate Diploma/Graduate Certificate	61.5	67.4	33.9	15.4	20.4	3.8	*2.2	4.9	209.6
Bachelor Degree	332.3	272.0	169.5	60.1	86.4	18.3	7.7	23.7	970.0
Advanced Diploma/Diploma	221.8	140.0	97.9	36.3	50.1	10.4	2.8	10.5	569.7
Certificate III/IV	170.0	136.8	128.2	52.4	63.2	12.7	6.5	8.8	578.6
Certificate I/II	33.5	11.8	15.4	5.9	8.2	2.6	**0.2	*0.8	78.3
Certificate n.f.d.	*4.0	*3.9	*3.6	**0.6	*1.2	**0.2	—	—	13.5
Year 12	474.3	346.0	266.6	100.0	139.4	20.8	9.1	29.8	1 386.0
Year 11	101.6	208.1	93.8	82.8	66.0	12.5	5.9	5.2	575.8
Year 10 or below	726.2	420.3	434.5	132.5	205.1	69.4	14.2	24.8	2 027.0
Level not determined	16.7	9.9	*5.4	*3.3	*2.7	*0.8	**0.1	**0.4	39.4
<b>Total(c)</b>	<b>2 212.1</b>	<b>1 668.6</b>	<b>1 270.0</b>	<b>498.7</b>	<b>655.9</b>	<b>155.1</b>	<b>50.3</b>	<b>113.9</b>	<b>6 624.6</b>
<b>PERSONS</b>									
Postgraduate Degree	151.9	96.8	50.7	22.4	24.4	6.7	3.4	13.1	369.5
Graduate Diploma/Graduate Certificate	97.0	105.4	52.4	24.7	32.7	5.7	3.0	9.6	330.6
Bachelor Degree	635.1	491.9	300.5	110.7	162.1	30.1	12.2	45.1	1 787.6
Advanced Diploma/Diploma	395.9	253.7	174.9	65.1	94.0	18.4	5.5	20.2	1 027.8
Certificate III/IV	630.1	478.4	445.4	171.7	217.1	48.8	22.5	24.1	2 038.1
Certificate I/II	45.7	25.5	22.4	9.8	14.7	4.1	**0.4	*1.2	123.8
Certificate n.f.d.	8.5	*5.3	*4.6	*1.6	*1.9	*0.5	—	**0.2	22.6
Year 12	893.3	669.4	508.9	184.6	268.0	39.9	16.1	56.7	2 636.9
Year 11	187.6	361.7	172.4	153.2	114.5	21.9	11.2	10.0	1 032.4
Year 10 or below	1 302.4	784.2	771.0	248.0	363.7	125.8	25.7	42.3	3 663.1
Level not determined	36.4	19.3	15.9	6.9	10.5	2.8	*1.4	*0.9	94.0
<b>Total(c)</b>	<b>4 399.0</b>	<b>3 308.3</b>	<b>2 527.6</b>	<b>999.2</b>	<b>1 308.0</b>	<b>305.2</b>	<b>101.9</b>	<b>223.8</b>	<b>13 173.0</b>

\* estimate has a relative standard error of 25% to 50% and should be used with caution

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) The levels of education are not necessarily listed in order from highest to lowest. See paragraphs 24–26 of the Explanatory Notes for more details.

(b) Refers to mainly urban areas only. For more information see paragraph 11 of the Explanatory Notes.

(c) Includes boarding school pupils, and persons who never attended school and who have no non-school qualifications.

## AGE GROUP (YEARS)

	15-19	20-24	25-34	35-44	45-54	55-64	Total
	'000	'000	'000	'000	'000	'000	'000

## Level of highest educational attainment(a)

Postgraduate Degree	—	6.3	83.2	110.0	108.7	61.3	369.5
Graduate Diploma/Graduate Certificate	**0.4	12.4	74.0	87.2	107.0	49.7	330.6
Bachelor Degree	—	187.4	598.0	444.6	361.9	195.8	1 787.6
Advanced Diploma/Diploma	7.0	92.7	258.0	266.8	247.3	156.0	1 027.8
Certificate III/IV	35.5	195.8	497.2	520.6	461.4	327.7	2 038.1
Certificate I/II	12.0	7.6	18.5	24.1	30.9	30.7	123.8
Certificate n.f.d.	*2.9	*2.5	*2.9	*5.2	*5.7	*3.5	22.6
Year 12	396.1	616.7	633.0	439.2	358.6	193.2	2 636.9
Year 11	273.5	91.3	183.4	232.7	160.4	91.1	1 032.4
Year 10 or below	619.6	170.1	435.4	754.3	811.7	871.9	3 663.1
Level not determined	*2.2	*4.2	16.2	30.8	19.7	21.0	94.0

## Main field of education

Natural and physical sciences	**0.3	20.4	68.2	59.7	48.2	32.8	229.6
Information technology	6.3	37.8	69.1	62.9	31.2	10.5	217.6
Engineering and related technologies	*5.1	70.7	270.5	327.0	308.2	237.6	1 219.1
Architecture and building	**1.2	31.8	110.8	109.4	98.1	70.8	422.1
Agriculture, environmental and related studies	*1.8	15.5	47.2	39.9	25.7	14.0	144.1
Health	**1.4	31.8	127.6	166.0	165.1	102.1	594.1
Education	**1.4	19.4	98.8	119.2	162.2	94.0	495.0
Management and commerce	19.2	119.6	335.3	279.8	210.7	114.3	1 079.0
Society and culture	6.1	69.9	210.8	174.5	177.9	102.2	741.4
Creative arts	*2.7	46.1	87.2	52.3	41.8	18.6	248.7
Food, hospitality and personal services	13.1	42.2	103.1	81.8	57.2	38.7	336.1
Mixed field programmes(b)	1 313.9	880.0	1 252.5	1 426.6	1 332.0	1 156.9	7 361.9
Field not determined	**0.5	*2.1	18.8	16.1	15.4	9.3	62.1

<b>Total(c)</b>	<b>1 373.1</b>	<b>1 387.8</b>	<b>2 801.4</b>	<b>2 918.7</b>	<b>2 678.8</b>	<b>2 013.3</b>	<b>13 173.0</b>
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\* estimate has a relative standard error of 25% to 50% and should be used with caution

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) The levels of education are not necessarily listed in order from highest to lowest. See paragraphs 24–26 of the Explanatory Notes for more details.

(b) Includes persons whose highest educational attainment was Year 12 or below.

(c) Includes boarding school pupils, and persons who never attended school and who have no non-school qualifications.

# PERSONS STARTING OR LEAVING A COURSE OF STUDY LEADING TO A QUALIFICATION—Selected characteristics

	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
	'000	'000	'000	'000	'000	'000	'000	'000	'000
STARTERS (b)									
Sex									
Males	44.1	42.5	31.6	9.6	16.6	3.7	*1.3	2.0	151.4
Females	66.0	52.9	38.2	16.4	21.0	4.4	*1.8	5.4	206.1
Age group (years)									
15–19	8.6	8.9	7.5	*1.8	*3.6	*0.5	**0.2	**0.4	31.5
20–24	21.6	24.5	13.7	4.7	8.0	*1.6	**0.5	*1.5	76.2
25–34	38.0	29.4	21.7	7.2	12.0	2.0	*1.4	2.2	113.8
35–44	23.4	19.6	15.4	7.8	7.7	2.4	**0.7	*1.0	78.0
45–54	15.3	9.7	8.8	3.7	5.4	*1.2	**0.2	1.9	46.0
55–64	*3.3	*3.2	*2.7	**0.8	*1.0	**0.3	**0.1	**0.5	11.9
Labour force status									
Full-time workers	48.0	42.5	30.9	12.6	16.4	3.6	2.8	4.0	160.9
Part-time workers	30.1	22.6	19.3	7.1	8.3	2.4	—	*1.5	91.3
Unemployed	8.4	5.9	*5.3	**0.2	*2.3	**0.4	—	**0.1	22.8
Not in the labour force	23.6	24.3	14.3	6.0	10.5	*1.6	**0.4	1.9	82.6
<b>Total</b>	<b>110.1</b>	<b>95.4</b>	<b>69.8</b>	<b>26.0</b>	<b>37.6</b>	<b>8.1</b>	<b>3.2</b>	<b>7.5</b>	<b>357.6</b>
LEAVERS (c)									
Sex									
Males	149.4	109.9	98.4	40.0	45.3	11.2	4.3	8.0	466.6
Females	151.3	125.1	96.7	42.7	56.6	13.1	4.8	7.9	498.3
Age group (years)									
15–19	55.3	34.2	43.3	17.5	25.0	5.0	*1.8	2.9	185.0
20–24	68.5	56.4	38.9	17.6	22.8	4.4	*1.7	3.9	214.1
25–34	77.7	54.3	41.0	17.2	20.9	6.0	*2.2	5.1	224.4
35–44	58.0	46.7	36.0	16.2	19.8	3.8	*1.9	1.9	184.2
45–54	31.2	33.4	27.6	10.8	10.1	4.0	*1.3	1.9	120.3
55–64	9.9	10.0	8.3	*3.5	*3.4	*1.2	**0.1	**0.2	36.7
Labour force status									
Full-time workers	183.4	138.6	114.9	46.6	58.4	15.2	6.3	11.4	574.9
Part-time workers	60.7	54.4	43.9	22.3	26.3	4.4	*1.5	2.8	216.3
Unemployed	26.4	19.8	13.3	7.2	8.4	*1.5	**0.3	*0.7	77.7
Not in the labour force	30.2	22.1	23.0	6.5	8.8	3.3	*1.0	*1.0	96.0
<b>Total</b>	<b>300.7</b>	<b>234.9</b>	<b>195.1</b>	<b>82.7</b>	<b>101.9</b>	<b>24.3</b>	<b>9.1</b>	<b>15.9</b>	<b>964.8</b>

\* estimate has a relative standard error of 25% to 50% and should be used with caution

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) Refers to mainly urban areas only. For more information see paragraph 11 of the Explanatory Notes.

(b) Refers to persons aged 15–64 years who were not enrolled in a course of study leading to a qualification in 2003 but who were enrolled in a course of study leading to a qualification in May 2004.

(c) Refers to persons aged 15–64 years who were enrolled in a course of study leading to a qualification in 2003 but who were not enrolled in a course of study leading to a qualification in May 2004.

	<i>Enrolled full time in May 2004</i>	<i>Enrolled part time in May 2004</i>	<i>Not enrolled in May 2004</i>	<i>Total</i>
	'000	'000	'000	'000
.....				
ENROLLED FULL TIME IN 2003				
Full-time workers at May 2004	6.8	22.7	55.4	84.9
Part-time workers at May 2004	359.3	8.0	48.1	415.4
Unemployed at May 2004	66.5	*3.5	25.9	95.9
Not in the labour force at May 2004	485.8	*1.9	18.3	506.0
<i>Total</i>	<i>918.4</i>	<i>36.1</i>	<i>147.7</i>	<i>1 102.2</i>
.....				
ENROLLED PART TIME IN 2003				
Full-time workers at May 2004	**0.5	40.5	20.3	61.3
Part-time workers at May 2004	*4.7	*3.5	6.8	15.0
Unemployed at May 2004	—	**0.2	7.3	7.5
Not in the labour force at May 2004	*3.5	*1.5	*2.9	7.9
<i>Total</i>	<i>8.6</i>	<i>45.7</i>	<i>37.4</i>	<i>91.7</i>
.....				
NOT ENROLLED IN 2003				
Full-time workers at May 2004	**1.4	8.2	67.3	76.9
Part-time workers at May 2004	6.6	*5.1	29.1	40.9
Unemployed at May 2004	*1.7	**0.6	22.7	25.1
Not in the labour force at May 2004	7.9	—	28.6	36.5
<i>Total</i>	<i>17.6</i>	<i>14.0</i>	<i>147.7</i>	<i>179.2</i>
.....				
TOTAL				
Full-time workers at May 2004	8.6	71.5	142.9	223.1
Part-time workers at May 2004	370.6	16.6	84.1	471.3
Unemployed at May 2004	68.2	*4.3	56.0	128.5
Not in the labour force at May 2004	497.2	*3.4	49.7	550.3
<b>Total</b>	<b>944.6</b>	<b>95.8</b>	<b>332.7</b>	<b>1 373.1</b>

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— nil or rounded to zero (including null cells)

(a) In this table 'enrolled' refers to persons in a course of study leading to a qualification, including persons studying for Year 12 or below.

	<i>Enrolled full time in May 2004</i>	<i>Enrolled part time in May 2004</i>	<i>Not enrolled in May 2004</i>	<i>Total</i>
	'000	'000	'000	'000
.....				
ENROLLED FULL TIME IN 2003				
Full-time workers at May 2004	12.6	10.7	73.8	97.2
Part-time workers at May 2004	155.8	10.2	29.5	195.5
Unemployed at May 2004	15.9	**1.0	11.6	28.5
Not in the labour force at May 2004	126.3	**1.3	9.4	137.1
<i>Total</i>	310.6	23.3	124.3	458.3
.....				
ENROLLED PART TIME IN 2003				
Full-time workers at May 2004	**0.8	68.2	72.2	141.1
Part-time workers at May 2004	*5.2	19.3	8.5	33.1
Unemployed at May 2004	**0.7	*2.0	*4.3	7.1
Not in the labour force at May 2004	*2.6	*3.1	*4.8	10.6
<i>Total</i>	9.4	92.7	89.8	191.8
.....				
NOT ENROLLED IN 2003				
Full-time workers at May 2004	*2.2	24.4	424.1	450.6
Part-time workers at May 2004	13.9	7.8	89.9	111.5
Unemployed at May 2004	*4.2	**0.8	49.7	54.6
Not in the labour force at May 2004	19.8	*3.3	97.8	120.9
<i>Total</i>	40.0	36.2	661.5	737.7
.....				
TOTAL				
Full-time workers at May 2004	15.6	103.3	570.1	689.0
Part-time workers at May 2004	174.9	37.3	127.9	340.1
Unemployed at May 2004	20.8	*3.8	65.5	90.2
Not in the labour force at May 2004	148.7	7.8	112.0	268.6
<b>Total</b>	<b>360.0</b>	<b>152.2</b>	<b>875.6</b>	<b>1 387.8</b>

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\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

(a) In this table, 'enrolled' refers to persons in a course of study leading to a qualification, including persons studying for Year 12 or below.

	AGE GROUP (YEARS)				SEX		
	15-19	20-24	25-44	45-64	Males	Females	Persons
	'000	'000	'000	'000	'000	'000	'000
Level of education of current study leading to a qualification							
Postgraduate Degree	—	*3.3	19.0	*3.8	11.0	15.1	26.1
Graduate Diploma/Graduate Certificate	—	*3.3	8.6	6.3	6.8	11.4	18.2
Bachelor Degree	9.9	27.3	28.3	*5.5	30.2	40.7	71.0
Advanced Diploma/Diploma	*4.6	11.3	34.0	7.5	24.4	32.9	57.4
Certificate III/IV	8.7	14.9	49.7	17.7	43.7	47.3	91.0
Certificate I/II	*1.9	*2.5	14.0	*3.4	8.4	13.4	21.8
Certificate n.f.d.	*3.2	7.0	28.6	11.3	18.0	32.1	50.1
Year 12 or below	*2.2	*4.4	*3.2	**0.4	*4.2	*5.9	10.2
Level not determined	**1.1	*2.1	6.4	*2.3	*4.7	7.2	11.9
Main field of education of current study leading to a qualification							
Natural and physical sciences	**0.6	*5.0	*4.6	**0.1	*3.9	6.3	10.2
Information technology	*2.2	*4.7	9.6	*5.6	13.4	8.7	22.2
Engineering and related technologies	*4.3	9.8	14.5	*2.4	26.9	*4.2	31.0
Architecture and building	*1.7	*2.5	7.0	**0.4	9.0	*2.6	11.6
Agriculture, environmental and related studies	**0.2	**1.3	*4.0	*2.1	*4.1	*3.6	7.6
Health	**0.9	6.8	13.2	*5.7	*5.1	21.5	26.6
Education	**0.8	*3.2	11.5	8.9	6.9	17.6	24.5
Management and commerce	6.6	18.3	57.1	14.1	40.3	55.8	96.1
Society and culture	*3.2	10.8	44.6	13.9	19.2	53.3	72.5
Creative arts	*4.0	*3.3	9.6	*2.2	9.0	10.1	19.1
Food, hospitality and personal services	*3.9	*4.5	*4.6	**1.2	*4.5	9.7	14.2
Mixed field programmes(b)	*3.1	*4.4	*5.8	**0.7	*5.7	8.3	13.9
Field not determined	—	*1.7	*5.6	**0.7	*3.5	*4.5	8.0
<b>Total</b>	<b>31.5</b>	<b>76.2</b>	<b>191.8</b>	<b>58.0</b>	<b>151.4</b>	<b>206.1</b>	<b>357.6</b>

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\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) Refers to persons aged 15-64 years who were not enrolled in a course of study leading to a qualification in 2003 but who were enrolled in a course of study leading to a qualification in May 2004.

(b) Includes persons studying for Year 12 or below.

	AGE GROUP (YEARS)				SEX		
	15-19	20-24	25-44	45-64	Male	Female	Persons
	'000	'000	'000	'000	'000	'000	'000
Level of education of study in 2003 leading to a qualification							
Postgraduate Degree	—	*3.7	40.5	11.9	29.8	26.3	56.1
Graduate Diploma/Graduate Certificate	**0.2	7.8	28.1	7.9	13.8	30.3	44.1
Bachelor Degree	*4.1	68.9	55.9	12.9	61.0	80.8	141.7
Advanced Diploma/Diploma	*4.2	26.3	60.8	18.6	51.6	58.3	109.9
Certificate III/IV	23.5	64.3	104.0	50.5	119.1	123.3	242.3
Certificate I/II	10.1	16.9	29.9	10.0	30.2	36.7	66.9
Certificate n.f.d.	7.8	21.2	77.0	38.5	75.1	69.4	144.5
Year 12	75.2	*2.8	*2.2	**0.4	41.7	38.9	80.5
Year 11	20.7	—	**0.2	—	9.0	12.0	21.0
Year 10 or below	37.0	—	**0.2	—	21.9	15.3	37.2
Level not determined	*2.1	*2.3	9.8	6.3	13.4	7.1	20.5
Main field of education of study in 2003 leading to a qualification							
Natural and physical sciences	**0.8	8.5	8.3	*1.7	9.8	9.5	19.4
Information technology	*2.0	16.2	22.6	12.5	32.3	21.0	53.3
Engineering and related technologies	6.3	33.2	35.5	16.2	82.4	8.9	91.2
Architecture and building	*2.4	14.0	17.4	*2.2	29.6	6.4	36.0
Agriculture, environmental and related studies	*2.5	6.1	11.9	7.2	18.6	9.2	27.8
Health	*2.1	14.8	42.0	16.9	22.9	52.9	75.8
Education	**0.5	12.0	26.9	14.6	13.5	40.5	54.0
Management and commerce	17.3	49.4	135.2	39.5	107.2	134.2	241.4
Society and culture	*5.9	21.9	64.8	30.1	37.3	85.4	122.7
Creative arts	**1.1	16.7	15.0	*4.2	16.2	20.9	37.1
Food, hospitality and personal services	10.2	16.9	19.7	6.7	16.9	36.6	53.5
Mixed field programmes(b)	133.0	*3.2	*4.2	**1.1	73.8	67.6	141.4
Field not determined	**0.9	**1.3	*5.2	*4.0	6.1	*5.2	11.3
<b>Total</b>	<b>185.0</b>	<b>214.1</b>	<b>408.7</b>	<b>157.0</b>	<b>466.6</b>	<b>498.3</b>	<b>964.8</b>

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\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) Refers to persons aged 15-64 years who were enrolled in a course of study leading to a qualification in 2003 but who were not enrolled in a course of study leading to a qualification in May 2004.

(b) Includes persons studying for Year 12 or below.

## LABOUR FORCE STATUS

	<i>Employed</i>	<i>Unemployed</i>	<i>In the labour force</i>	<i>Not in the labour force</i>	<i>Total</i>
	'000	'000	'000	'000	'000
Whether attending and level of study in May 2004					
Enrolled in May 2004	89.2	11.7	100.9	58.8	159.7
Study leading to a qualification	87.7	11.5	99.2	58.3	157.5
Bachelor Degree or higher	36.2	6.2	42.4	33.4	75.8
Advanced Diploma/Diploma	11.8	**0.9	12.7	9.2	21.9
Certificate III/IV	25.7	**1.4	27.1	6.0	33.1
Certificate I/II	*5.6	**1.4	7.1	*4.1	11.1
Certificate n.f.d.	*5.7	**1.1	6.8	*3.1	9.9
Year 12 or below	**0.2	**0.5	**0.7	*1.6	*2.3
Level not determined	*2.5	—	*2.5	**0.8	*3.3
Study not leading to a qualification	*1.6	**0.2	*1.7	**0.5	*2.2
Not enrolled in May 2004	87.5	28.0	115.5	16.4	131.9
Highest year of school completed					
Year 12	126.2	21.4	147.5	55.7	203.3
Year 11	19.0	6.3	25.4	*5.7	31.1
Year 10	26.0	8.1	34.1	8.6	42.7
Year 9 or below	*5.5	*4.0	9.5	*5.1	14.6
Sex					
Males	94.7	19.9	114.6	37.7	152.3
Females	82.0	19.8	101.8	37.4	139.2
<b>Total</b>	<b>176.7</b>	<b>39.8</b>	<b>216.4</b>	<b>75.1</b>	<b>291.6</b>

\* estimate has a relative standard error of 25% to 50% and should be used with caution

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) Persons aged 15–24 years who attended school in 2003 but were not attending in May 2004.

## LABOUR FORCE STATUS

	Full-time workers	Part-time workers	Total employed	Unemployed	In the labour force	Not in the labour force	Total
	'000	'000	'000	'000	'000	'000	'000
AGED 15–19 YEARS							
Applied to enrol in a course of study in 2004	91.4	402.1	493.5	82.8	576.3	508.4	1 084.8
Studying in May 2004(a)	81.5	389.3	470.8	73.5	544.3	502.2	1 046.5
Gained placement but deferred study(b)	6.9	7.6	14.5	*5.2	19.7	*4.7	24.3
TAFE	*2.0	*2.6	*4.6	*2.0	6.6	*1.9	8.5
Higher education	*4.0	*4.5	8.5	*2.2	10.7	**1.2	12.0
Unable to gain placement on application(b)	*3.1	*5.2	8.2	*4.2	12.4	*1.5	13.9
TAFE	**1.3	*2.8	*4.2	*3.0	7.2	**1.1	8.3
Higher education	**1.1	*2.1	*3.2	**0.5	*3.7	**0.1	*3.8
Did not apply to enrol in a course of study in 2004	131.7	69.1	200.8	45.7	246.5	41.9	288.4
Total	223.1	471.3	694.3	128.5	822.8	550.3	1 373.1
AGED 20–24 YEARS							
Applied to enrol in a course of study in 2004	138.7	222.9	361.6	29.5	391.1	166.5	557.6
Studying in May 2004(a)	121.8	213.4	335.2	25.6	360.8	162.3	523.1
Gained placement but deferred study(b)	11.3	6.6	17.9	*2.6	20.5	*2.7	23.3
TAFE	6.8	*2.8	9.6	*1.9	11.5	*2.0	13.4
Higher education	*3.8	*3.7	7.5	**0.4	7.9	**0.4	8.3
Unable to gain placement on application(b)	*5.7	*2.9	8.5	**1.3	9.8	*1.5	11.3
TAFE	*2.2	**0.6	*2.9	**0.9	*3.8	*1.5	*5.3
Higher education	*2.5	*2.3	*4.7	**0.3	*5.0	—	*5.0
Did not apply to enrol in a course of study in 2004	550.3	117.2	667.4	60.7	728.1	102.1	830.2
Total	689.0	340.1	1 029.1	90.2	1 119.2	268.6	1 387.8
AGED 25–64 YEARS							
Applied to enrol in a course of study in 2004	492.9	243.9	736.8	53.5	790.3	210.1	1 000.4
Studying in May 2004(a)	420.8	208.9	629.6	40.7	670.3	186.5	856.9
Gained placement but deferred study(b)	49.0	22.3	71.4	9.2	80.6	15.2	95.7
TAFE	14.9	8.6	23.6	*2.9	26.5	*5.8	32.3
Higher education	13.9	*3.5	17.4	*2.6	20.0	*3.1	23.1
Unable to gain placement on application(b)	23.1	12.7	35.8	*3.6	39.4	8.4	47.8
TAFE	6.4	6.3	12.8	*3.4	16.2	*4.4	20.5
Higher education	13.0	*4.3	17.3	—	17.3	**1.3	18.6
Did not apply to enrol in a course of study in 2004	5 313.6	1 617.9	6 931.5	285.4	7 216.9	2 194.8	9 411.7
Total	5 806.6	1 861.8	7 668.3	338.9	8 007.2	2 404.9	10 412.1
TOTAL							
Applied to enrol in a course of study in 2004	723.1	868.9	1 592.0	165.8	1 757.8	885.1	2 642.8
Studying in May 2004(a)	624.1	811.6	1 435.7	139.8	1 575.4	851.0	2 426.5
Gained placement but deferred study(b)	67.2	36.5	103.8	17.0	120.7	22.6	143.3
TAFE	23.7	14.0	37.7	6.8	44.5	9.7	54.2
Higher education	21.7	11.7	33.4	*5.2	38.6	*4.8	43.4
Unable to gain placement on application(b)	31.8	20.7	52.6	9.0	61.6	11.4	73.0
TAFE	10.0	9.8	19.8	7.4	27.2	6.9	34.1
Higher education	16.6	8.7	25.3	**0.8	26.1	**1.4	27.5
Did not apply to enrol in a course of study in 2004	5 995.5	1 804.2	7 799.8	391.7	8 191.5	2 338.7	10 530.2
Total	6 718.6	2 673.1	9 391.7	557.5	9 949.2	3 223.8	13 173.0

\* estimate has a relative standard error of 25% to 50% and should be used with caution

\*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

(a) Includes study leading to a qualification and study not leading to a qualification.

(b) Includes other educational institutions.

## APPRENTICES(a), Selected characteristics—May 1994 to May 2004

	1994	1996	1998	2000	2002	2003	2004
	'000	'000	'000	'000	'000	'000	'000
.....							
Sex							
Males	99.9	111.4	107.7	121.9	108.6	117.4	116.4
Females	14.1	14.9	16.9	16.3	17.8	22.8	17.0
Age group (years)							
15–19	66.8	67.8	71.4	72.1	67.5	68.1	71.5
20–24	41.2	54.5	47.8	56.4	48.9	55.0	50.1
25–54	5.9	*4.0	5.3	9.7	10.0	17.0	11.8
Industry							
Manufacturing	na	30.5	27.1	27.9	24.3	24.4	22.6
Construction	na	27.5	30.7	40.5	33.6	39.1	43.5
Wholesale and retail trade	na	28.3	31.1	35.2	33.9	33.0	29.0
Accommodation, cafes and restaurants	na	8.8	10.0	9.7	9.5	11.3	5.4
Cultural, recreational, personal and other services	na	10.6	10.7	12.1	11.9	13.8	11.4
Other	na	20.6	14.9	12.8	13.2	18.8	21.5
Field of trade							
Mechanical and fabrication engineering	21.1	18.5	15.4	20.2	17.1	15.2	19.7
Electrical and electronics	14.2	18.5	16.7	21.1	14.5	25.9	17.3
Construction	22.8	23.8	24.8	30.4	26.3	25.9	36.0
Automotive	15.2	21.9	17.7	22.2	23.9	20.1	19.6
Food	13.7	14.0	9.0	12.8	13.0	15.0	8.3
Hairdressing	7.6	7.8	7.2	10.1	8.1	12.2	8.5
Other fields	19.3	21.9	33.7	21.3	23.5	26.1	24.0
Commencement of apprenticeship							
Commenced in the last 12 months	39.4	36.9	44.5	50.3	49.5	58.4	62.9
Commenced more than 12 months ago	74.4	89.4	80.0	88.0	76.9	81.8	70.5
<b>Total</b>	<b>113.9</b>	<b>126.3</b>	<b>124.5</b>	<b>138.2</b>	<b>126.4</b>	<b>140.2</b>	<b>133.4</b>

\* estimate has a relative standard error of 25% to 50% and should be used with caution

na not available

(a) Refers to persons aged 15–54 who were employed as apprentices in the survey month.

	Males	Females	Persons
	'000	'000	'000
<b>Population 1</b> Persons aged 15–64 years including boarding school pupils but excluding institutionalised persons and persons permanently unable to work	6 548.4	6 624.6	13 173.0
<b>Population 2</b> Persons aged 15–64 years who attended an educational institution in 2003	1 495.6	1 617.0	3 112.5
<b>Population 3</b> Persons aged 15–64 years who attended school in 2003	504.7	492.7	997.4
<b>Population 4</b> Persons aged 15–64 years who attended a tertiary institution in 2003	990.8	1 124.3	2 115.1
<b>Population 5</b> Leavers from full-time education (aged 15–64 years) at May 2004	233.2	255.3	488.5
<b>Population 6</b> Persons aged 15–64 years enrolled in a course of study in May 2004	1 144.9	1 281.5	2 426.5
<b>Population 7</b> Persons aged 15–64 years attending a tertiary institution in May 2004	791.1	927.3	1 718.4
<b>Population 8</b> Persons aged 15–64 years who have a non-school qualification	3 511.4	3 187.8	6 699.2
<b>Population 9</b> Persons aged 15–24 years who attended school in 2003 but were not attending school in May 2004	152.3	139.2	291.6
<b>Population 10</b> Employed persons aged 15–54 years who were apprentices in May 2004	116.4	17.0	133.4
<b>Population 11</b> Persons aged 15–64 years who were not enrolled in a course of study leading to a qualification in 2003 but who were enrolled in a course of study leading to a qualification in May 2004 (Starters)	151.4	206.1	357.6
<b>Population 12</b> Persons aged 15–64 years who were enrolled in a course of study leading to a qualification in 2003 but who were not enrolled in a course of study leading to a qualification in May 2004 (Leavers)	466.6	498.3	964.8
<b>Population 13</b> Persons aged 15–64 years who were enrolled in a course of study leading to a qualification in 2003	1 421.0	1 519.5	2 940.5
<b>Population 14</b> Persons aged 15–64 years who were enrolled in a course of study leading to a qualification in May 2004	1 105.8	1 227.3	2 333.2
<b>Population 15</b> Employed persons aged 15–64 years	5 186.2	4 205.5	9 391.7
<b>Population 16</b> Unemployed persons aged 15–64 years	305.8	251.7	557.5

## EXPLANATORY NOTES

### INTRODUCTION

- 1** The statistics in this publication were compiled from data collected in the Survey of Education and Work (SEW) that was conducted throughout Australia in May 2004 as a supplement to the monthly Labour Force Survey (LFS). Respondents to the LFS who were in scope of the supplementary survey were asked further questions.
- 2** The SEW provides a range of key indicators relating to the educational participation and attainment of persons aged 15–64 years along with data on people's transition between education and work. The annual time series allows for ongoing monitoring, and provides a link with the more detailed range of educational indicators available from the four-yearly Surveys of Education and Training. Specifically, the supplementary survey provides information on: people presently participating in education; level of highest non-school qualification, and level of highest educational attainment; non-school qualification completed in the previous year; characteristics of people's transition between education and work; and data on apprentices.
- 3** The publication *Labour Force, Australia* (cat. no. 6202.0) contains information about survey design, sample redesign, scope, coverage and population benchmarks relevant to the LFS, which also apply to supplementary surveys. It also contains definitions of demographic and labour force characteristics, and information about telephone interviewing relevant to both the LFS and supplementary surveys.
- 4** From April 2001 the LFS has been conducted using a redesigned questionnaire containing additional questions and some minor definitional changes. These changes also affect the supplementary surveys. For more details, see *Information Paper: Implementing the Redesigned Labour Force Survey Questionnaire* (cat. no. 6295.0) and *Information Paper: Questionnaires Used in the Labour Force Survey* (cat. no. 6232.0).

### CAI IMPLEMENTATION

- 5** In October 2003, the ABS began the progressive implementation of computer assisted interviewing (CAI) into the LFS (and its supplementary surveys). Under CAI, interviewers record responses directly onto an electronic questionnaire in a notebook computer.
- 6** In the May 2004 survey, the CAI method was used on a random sub-sample of 40% of survey interviews. The remaining 60% of interviews were conducted using the traditional 'pen and paper' method. The change of interviewing method is not expected to have affected the SEW estimates in any meaningful way.

### CONCEPTS SOURCES AND METHODS

- 7** The conceptual framework used in Australia's LFS aligns closely with the standards and guidelines set out in Resolutions of the International Conference of Labour Statisticians. Descriptions of the underlying concepts and structure of Australia's labour force statistics, and the sources and methods used in compiling these estimates, are presented in *Labour Statistics: Concepts, Sources and Methods* (cat. no. 6102.0.55.001) which is available on the ABS web site <<http://www.abs.gov.au>> (Methods, Classifications, Concepts & Standards).

### SCOPE

- 8** The scope of the supplementary survey was restricted to persons aged 15–64 years and excludes the following persons:
  - members of the permanent defence forces
  - certain diplomatic personnel of overseas governments, customarily excluded from the census and estimated resident population figures
  - overseas residents in Australia
  - members of non-Australian defence forces (and their dependants)
  - persons permanently unable to work.
- 9** Patients in hospitals, residents of homes (e.g. retirement homes, homes for persons with disabilities), and inmates of prisons are excluded from all supplementary surveys.

## EXPLANATORY NOTES *continued*

### SCOPE *continued*

**10** Students at boarding schools are in scope for SEW. The 2004 survey yielded an estimate of 24,100 boarding school pupils aged 15 years and over. The only other information collected on these persons was sex and age.

**11** This supplementary survey was conducted in both urban and rural areas in all states and territories, but excluded approximately 120,000 persons living in very remote parts of Australia who would otherwise have been within the scope of the survey. The exclusion of these persons will have only a minor impact on any aggregate estimates that are produced for individual states and territories, except the Northern Territory where such persons account for around 20% of the population.

### COVERAGE

**12** The estimates in this publication relate to persons covered by the survey in May 2004. In the LFS, coverage rules are applied which aim to ensure that each person is associated with only one dwelling and hence has only one chance of selection in the survey. See *Labour Force, Australia* (cat. no. 6202.0) for more details.

### RELIABILITY OF THE ESTIMATES

**13** Estimates in this publication are subject to sampling and non-sampling errors:

- Sampling error is the difference between the published estimate and the value that would have been produced if all dwellings had been included in the survey. For more information see the Technical Note.
- Non-sampling errors are inaccuracies that occur because of imperfections in reporting by respondents and interviewers, and errors made in coding and processing 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 processing procedures.

### SEASONAL FACTORS

**14** The estimates are based on information collected in the survey month, and due to seasonal factors they may not be representative of other months of the year.

### CLASSIFICATIONS USED

**15** Occupation data are classified according to the ASCO — *Australian Standard Classification of Occupations, Second Edition, 1997* (cat. no. 1220.0)

**16** Industry data are classified according to the *Australian and New Zealand Standard Industrial Classification (ANZSIC), 1993* (cat. no. 1292.0)

**17** Country of birth data are classified according to the *Standard Australian Classification of Countries (SACC), 1998* (cat. no. 1269.0)

### CLASSIFICATION OF EDUCATION

**18** In 2001, the *ABS Classification of Qualifications* (ABSCQ) (cat. no. 1262.0) was replaced by the *Australian Standard Classification of Education* (ASCED) (cat. no. 1272.0). The ASCED is a national standard classification which can be applied to all sectors of the Australian education system including schools, vocational education and training and higher education. ASCED replaces a number of classifications previously used in administrative and statistical systems, including the ABSCQ. The ASCED comprises two classifications: Level of Education and Field of Education.

**19** Level of Education is defined as a function of the quality and quantity of learning involved in an educational activity. There are nine broad levels, 15 narrow levels and 64 detailed levels. For definitions of these levels see the *Australian Standard Classification of Education* (ASCED), 2001 (cat. no. 1272.0).

**20** The relationship between categories in the Level of Education classification should be essentially ordinal. In other words, educational activities at Broad Level 1 Postgraduate Degree should be at a higher level than those at Broad Level 2 Graduate Diploma and Graduate Certificate, and so on. However, when this idea is applied to the reality of educational provision in Australia, it is not always possible to assert that an ordinal relationship exists among the various levels of education.

## EXPLANATORY NOTES *continued*

### CLASSIFICATION OF EDUCATION *continued*

**21** This is particularly evident in the case of the relationship between Certificates I–IV in Broad Level 5 Certificate Level, and School Education included in Broad Level 6 Secondary Education. In this instance, the level of education associated with secondary education may range from satisfying the entry requirements for admission to a university degree course, to the completion of units in basic literacy, numeracy and life skills. Educational activity in these categories may therefore be of an equal, higher or lower level than Certificates found in Broad Level 5 Certificate Level.

**22** Field of Education is defined as the subject matter of an educational activity. Fields of education are related to each other through the similarity of subject matter, through the broad purpose for which the education is undertaken, and through the theoretical content which underpins the subject matter.

**23** There are 12 broad fields, 71 narrow fields and 356 detailed fields. For definitions of these fields see the *Australian Standard Classification of Education* (ASCED), 2001 (cat. no. 1272.0).

### LEVEL OF HIGHEST EDUCATIONAL ATTAINMENT

**24** Level of Highest Educational Attainment can be derived from information on Highest Year of School Completed and Level of Highest Non-school Qualification. The derivation process determines which of the 'non-school' or 'school' attainments will be regarded as the highest. Usually the higher ranking attainment will be self-evident, but in some cases some Secondary Education is regarded, for the purposes of obtaining a single measure, as higher than some Certificate level attainments.

**25** The following decision table is used to determine which of the responses to questions on Highest Year of School Completed (coded to ASCED Broad Level 6) and Level of Highest Non-school Qualification (coded to ASCED Broad Level 5) will be regarded as the highest. It is emphasised that this table was designed for the purpose of obtaining a single value for the output variable Level of Highest Educational Attainment and is not intended to convey any other ordinality.

## EXPLANATORY NOTES *continued*

Decision Table: Level of Highest Educational Attainment							
ASCED LEVEL OF EDUCATION CODES	Certificate n.f.d. (500)	Certificate III or IV n.f.d. (510)	Certificate IV (511)	Certificate III (514)	Certificate I or II n.f.d. (520)	Certificate II (521)	Certificate I (524)
Secondary Education n.f.d. (600)	Certificate n.f.d.	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Certificate I or II n.f.d.	Certificate II	Certificate I
Senior Secondary Education n.f.d. (610)	Senior Secondary n.f.d.	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Senior Secondary n.f.d.	Senior Secondary n.f.d.	Senior Secondary n.f.d.
Year 12 (611)	Year 12	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Year 12	Year 12	Year 12
Year 11 (613)	Year 11	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Year 11	Year 11	Year 11
Junior Secondary Education n.f.d. (620)	Certificate n.f.d.	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Certificate I or II n.f.d.	Certificate II	Certificate I
Year 10 (621)	Year 10	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Year 10	Certificate II	Year 10
Year 9 (622)	Certificate n.f.d.	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Certificate I or II n.f.d.	Certificate II	Certificate I
Year 8 (623)	Certificate n.f.d.	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Certificate I or II n.f.d.	Certificate II	Certificate I
Year 7 (624)	Certificate n.f.d.	Certificate III or IV n.f.d.	Certificate IV	Certificate III	Certificate I or II n.f.d.	Certificate II	Certificate I

LEVEL OF HIGHEST  
EDUCATIONAL ATTAINMENT  
*continued*

**26** The decision table is also used to rank the information provided in a survey about the qualifications and attainments of a single individual. It does not represent any basis for comparison between differing qualifications. For example, a person whose Highest Year of School Completed was Year 12, and whose Level of Highest Non-school Qualification was a Certificate III, would have those responses crosschecked on the decision table and would as a result have their Level of Highest Educational Attainment output as Certificate III. However, if the same person answered 'Certificate' to the highest non-school qualification question, without offering any further detail, it would be crosschecked against Year 12 on the decision table as 'Certificate not further defined'. The output would then be 'Year 12'. The decision table, therefore, does not necessarily imply that one qualification is 'higher' than the other.

COMPARABILITY OF TIME  
SERIES

**27** Revisions are made to population benchmarks for the LFS after each five-yearly Census of Population and Housing. The last such revision was made in February 2004 to take account of the results of the 2001 Census of Population and Housing. Estimates from supplementary surveys conducted from and including February 2004 are therefore based on revised population benchmarks.

**28** Supplementary surveys are not always conducted on the full LFS sample. Since August 1994 the sample for supplementary surveys has been restricted to no more than seven-eighths of the LFS sample. Since it was introduced, this survey has been conducted on various proportional samples and therefore sampling errors associated with previous supplementary surveys may vary from the sampling error for this survey.

COMPARABILITY WITH  
MONTHLY LFS STATISTICS

**29** Due to differences in the scope and sample size between this supplementary survey and the monthly LFS, the estimation procedure may lead to some small variations between labour force estimates from this survey and those from the LFS.

## EXPLANATORY NOTES *continued*

### PREVIOUS SURVEYS

**30** Results of similar surveys have been given in previous issues of this publication. These surveys were conducted annually from February 1964 to February 1974, in May 1975 and 1976, in August 1977 and 1978, and annually since May 1979. Results of previous surveys were published in:

- *Transition from Education to Work, Australia, May 2000*, cat. no. 6227.0
- *Standard data service, Transition from Education to Work, Australia, May 1995*, cat. no. 6227.0.40.001, (available in hardcopy only)
- *Education and Work, Australia*, (cat. no. 6227.0).

### NEXT SURVEY

**31** The ABS intends to conduct this survey again in May 2005.

### ACKNOWLEDGMENT

**32** ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

### RELATED PUBLICATIONS

**33** Other publications which may be of interest include:

- *A Directory of Education and Training Statistics*, (cat. no. 1136.0) — available on the ABS web site <<http://www.abs.gov.au>>
- *Education and Training Experience, Australia*, (cat. no. 6278.0) — issued four-yearly, latest issue 2001 released in May 2002
- *Education and Training Indicators, Australia*, (cat. no. 4230.0) — issued irregularly, first issue 2002 released in December 2002
- *Labour Force, Australia* (cat. no. 6202.0) — issued monthly
- *Schools, Australia* (cat. no. 4221.0) — issued annually, latest issue 2003 released in February 2004
- *Information Paper: Measuring Learning in Australia, Plan to Improve the Quality, Coverage and Use of Education and Training Statistics* (cat.no. 4231.0) — issued irregularly, first issue 2004 released in September 2004.
- *Information Paper: Measuring Learning in Australia, Dictionary of Standards for Education and Training Statistics* (cat.no. 4232.0.55.001) — issued irregularly, latest issue 2004 released in October 2004.

**34** Current publications and other products released by the ABS are listed in the *Catalogue of Publications and Products* (cat. no. 1101.0). The Catalogue is available from any ABS office or the ABS web site <<http://www.abs.gov.au>>. The ABS also issues a daily Release Advice on the web site which details products to be released in the week ahead.

## APPENDIX 1 POPULATIONS AND DATA ITEMS LIST

### DATA AVAILABLE ON REQUEST

The ABS has a range of data available on request from the Survey of Education and Work. For example, data are available at the broad, narrow and detailed Level of Education and Field of Education categories. Occupation data are available at the Major, Sub-Major, Minor and Unit Group Level. Industry data are available at the Division, Subdivision and Group Level. This section lists the data items and populations which relate to the survey. More detailed breakdowns of some data items may also be available on request.

The population(s) for a particular data item refers to those persons in the survey to whom the data item relates. Where alternative output categories are available for the same data item, these are shown and the data item name is followed by a bracketed numeral (e.g. Country of birth (2)).

For more information about the ABS data available on request, contact James Ashburner by email at <james.ashburner@abs.gov.au> or on Canberra (02) 6252 7934 or facsimile (02) 6252 8013.

<i>Population 1:</i>	Persons aged 15–64 years including boarding school pupils (BSP) but excluding institutionalised persons and persons permanently unable to work
<i>Population 2:</i>	Persons aged 15–64 years who attended an educational institution in 2003
<i>Population 3:</i>	Persons aged 15–64 years who attended school in 2003
<i>Population 4:</i>	Persons aged 15–64 years who attended a tertiary institution in 2003
<i>Population 5:</i>	Leavers from full-time education (aged 15–64 years) at May 2004
<i>Population 6:</i>	Persons aged 15–64 years enrolled in a course of study in May 2004
<i>Population 7:</i>	Persons aged 15–64 years attending a tertiary institution in May 2004
<i>Population 8:</i>	Persons aged 15–64 years who have a non-school qualification
<i>Population 9:</i>	Persons aged 15–24 years who attended school in 2003 but were not attending school in May 2004
<i>Population 10:</i>	Employed persons aged 15–54 years who were apprentices in May 2004
<i>Population 11:</i>	Persons aged 15–64 years who were not enrolled in a course of study leading to a qualification in 2003 but who were enrolled in a course of study leading to a qualification in May 2004
<i>Population 12:</i>	Persons aged 15–64 years who were enrolled in a course of study leading to a qualification in 2003 but who were not enrolled in a course of study leading to a qualification in May 2004
<i>Population 13:</i>	Persons aged 15–64 years who were enrolled in a course of study leading to a qualification in 2003
<i>Population 14:</i>	Persons aged 15–64 years who were enrolled in a course of study leading to a qualification in May 2004
<i>Population 15:</i>	Employed persons aged 15–64 years
<i>Population 16:</i>	Unemployed persons aged 15–64 years

## APPENDIX 1 POPULATIONS AND DATA ITEMS LIST *continued*

<i>Data items</i>	<i>Populations</i>	<i>Data items</i>	<i>Populations</i>
<b>1 State or territory of usual residence</b>	All	<b>9 Country of birth (2) <i>cont.</i></b>	All
New South Wales		Born overseas <i>cont.</i>	
Victoria		South-East Asia	
Queensland		North-East Asia	
South Australia		Southern and Central Asia	
Western Australia		Americas	
Tasmania		Sub-Saharan Africa	
Northern Territory		Other	
Australian Capital Territory		Not asked (BSP)	
<b>2 Area of usual residence</b>	All	<b>10 Period of arrival in Australia</b>	All
State capital city		Born in Australia	
Balance of state/territory		Born overseas	
<b>3 Region of usual residence</b>	All	Arrived before 1961	
Standard labour force dissemination regions		Arrived 1961–1970	
<b>4 Sex</b>	All	Arrived 1971–1980	
Males		Arrived 1981–1990	
Females		Arrived 1991–1995	
<b>5 Indigenous status</b>	All	Arrived 1996 to survey date	
Indigenous		Not asked (BSP)	
Non-indigenous		<b>11 Age group (years)</b>	All
<b>6 Marital status</b>	All	15–19	
Married		20–24	
Not married		25–34	
<b>7 Relationship in household</b>	All	35–44	
Family member		45–54	
Husband, wife or partner		55–59	
With dependants		60–64	
Without dependants		Note: Other age units or groups as specified and appropriate for the populations are available.	
Lone parent		<b>12 Labour force status</b>	1–9,11–14
With dependants		In the labour force	
Without dependants		Employed	
Dependent student		Full-time workers	
Non-dependent child		Part-time workers	
Other family person		Unemployed	
Non-family member		Looking for full-time work	
Lone person		Looking for part-time work	
Not living alone		Not in the labour force	
Relationship not determined		<b>13 Labour force status of leavers from full-time education at May 2004</b>	5
<b>8 Country of birth (1)</b>	All	Attended school full time in 2003	
Born in Australia		In the labour force	
Born overseas		Employed	
Not asked (BSP)		Unemployed	
<b>9 Country of birth (2)</b>	All	Not in the labour force	
Born in Australia		Attended tertiary full time in 2003	
Born overseas		In the labour force	
Oceania and Antarctica		Employed	
North-West Europe		Unemployed	
Southern and Eastern Europe		Not in the labour force	
North Africa and the Middle East			

## APPENDIX 1 POPULATIONS AND DATA ITEMS LIST *continued*

<i>Data items</i>	<i>Populations</i>	<i>Data items</i>	<i>Populations</i>
<b>14 Status in employment of current job</b>	15	<b>17 Industry cont.</b>	15
Employee		Personal and other services	
Other		Note: While individual three digit industries are collected, such data are usually subject to very high standard errors.	
<b>15 Occupation</b>	15	<b>18 Industry of last full-time job</b>	16
Managers and administrators		(Categories and codes are the same as those listed above in data item 15 plus the following)	
Professionals		Last full-time job less than 2 years ago	
Associate professionals		Last full-time job 2 or more years ago	
Tradespersons and related workers		Never had a full-time job	
Advanced clerical and service workers		<b>19 Duration of unemployment</b>	16
Intermediate clerical, sales and service workers		Under 2 weeks	
Intermediate production and transport workers		2 and under 4 weeks	
Elementary clerical, sales and service workers		4 and under 8 weeks	
Labourers and related workers		8 and under 13 weeks	
Note: While individual four digit occupations are collected, such data are usually subject to very high standard errors.		13 and under 26 weeks	
<b>16 Occupation of last full-time job</b>	16	26 and under 39 weeks	
(Categories and codes are the same as those listed above in data item 15 plus the following)		39 and under 52 weeks	
Last full-time job less than 2 years ago		52 and under 65 weeks	
Last full-time job 2 or more years ago		65 and under 78 weeks	
Never had a full-time job		78 and under 91 weeks	
<b>17 Industry</b>	15	91 and under 104 weeks	
Agriculture, forestry and fishing		104 weeks and over	
Mining		<b>20 Whether attended an educational institution and type of attendance in 2003</b>	1
Manufacturing		Attended in 2003	
Electricity, gas and water supply		Full-time	
Construction		Part-time	
Wholesale trade		Did not attend in 2003	
Retail trade		<b>21 Whether attended an educational institution and type of institution attended in 2003</b>	1
Accommodation, cafes and restaurants		Attended in 2003	
Transport and storage		School	
Communication services		Tertiary	
Finance and insurance		Higher education	
Property and business services		TAFE	
Government administration and defence		Business college	
Education		Industry skills centre	
Health and community services		Other institution	
Cultural and recreational services		Did not attend in 2003	

## APPENDIX 1 POPULATIONS AND DATA ITEMS LIST *continued*

<i>Data items</i>	<i>Populations</i>	<i>Data items</i>	<i>Populations</i>
<b>22 Whether attended an educational institution, and level of education of study in 2003 (ASCED)</b>	1-3,6-8,14	<b>24 Status of course of study undertaken in 2003 <i>cont.</i></b>	2,4,13
Attended in 2003		Had not completed qualification studied for by May 2004(a)	
Study leading to a qualification		Attending tertiary institution in May 2004	
Postgraduate Degree		Not attending in May 2004	
Graduate Diploma/Graduate Certificate		(a) May include some persons now attending school.	
Bachelor Degree			
Advanced Diploma/Diploma		<b>25 Whether attending an educational institution and type of attendance in May 2004</b>	1
Certificate III/IV		Attending in May 2004	
Certificate I/II		Full-time	
Certificate n.f.d.		Part-time	
Year 12		Not attending in May 2004	
Year 11			
Year 10 or below		<b>26 Whether attending an educational institution and type of institution attending in May 2004</b>	1
Level not determined		Attending in May 2004	
Study not leading to a qualification		School	
Did not attend in 2003		Tertiary	
<b>23 Main field of education of study in 2003 (ASCED)</b>	1,4,5,12,13	Higher education	
Study leading to a qualification		TAFE	
Natural and physical sciences		Business college	
Information technology		Industry skills centre	
Engineering and related technologies		Other institution	
Architecture and building		Not attending in May 2004	
Agriculture, environmental and related studies		<b>27 Whether attending an educational institution, and level of education of study in May 2004 (ASCED)</b>	1-4,9,13
Health		Attending in May 2004	
Education		Study leading to a qualification	
Management and commerce		Postgraduate Degree	
Society and culture		Graduate Diploma/Graduate Certificate	
Creative arts		Bachelor Degree	
Food, hospitality and personal services		Advanced Diploma/Diploma	
Mixed field programmes		Certificate III/IV	
Field not determined		Certificate I/II	
Study not leading to a qualification		Certificate n.f.d.	
<b>24 Status of course of study undertaken in 2003</b>	2,4,13	Year 12	
Completed qualification studied for in 2003		Year 11	
Identified as highest qualification obtained		Year 10 or below	
Identified as not highest qualification obtained		Level not determined	
		Study not leading to a qualification	
		Not attending in May 2004	

## APPENDIX 1 POPULATIONS AND DATA ITEMS LIST *continued*

<i>Data items</i>	<i>Populations</i>	<i>Data items</i>	<i>Populations</i>
<b>28 Main field of education of study in May 2004 (ASCED)</b>	6,7,11,14	<b>33 Whether applied to enrol in an educational institution in 2004 and type of institution (unmet demand) <i>cont.</i></b>	1
Study leading to a qualification		Applied to enrol in a course of study in 2004 <i>cont.</i>	
Natural and physical sciences		Unable to gain placement on application	
Information technology		Higher education	
Engineering and related technologies		TAFE	
Architecture and building		Other educational institution	
Agriculture, environmental and related studies		Did not apply to enrol in a course of study in 2004	
Health			
Education			
Management and commerce			
Society and culture			
Creative arts		<b>33A Whether study would lead to an educational qualification</b>	1
Food, hospitality and personal services		Study would lead to an educational qualification	
Mixed field programmes		Study would not lead to an educational qualification	
Field not determined			
Study not leading to a qualification			
<b>29 Type of school attending in May 2004</b>	Age=15–24	<b>34 Age at time of leaving full-time education</b>	Age=15–24
Government		Attending full-time study in May 2004	
Non-government		Not attending full time in May 2004	
Catholic		Left at age	
Other		14 and under	
Not asked (BSP & those aged 20–24 at school)		15–19	
		15	
<b>30 Commencement of apprenticeship</b>	10	16	
Commenced in last 12 months		17	
Commenced more than 12 months ago		18	
		19	
<b>31 Industry sector</b>	10	20–24	
Public		20	
Private		21	
		22	
<b>32 Field of trade</b>	10	23	
Mechanical engineering		24	
Fabrication engineering			
Electrical and electronics		Never attended an educational institution full time	
Construction			
Automotive		<b>35 Year last attended an educational institution full time</b>	Age=15–24
Food		Attending full time in May 2004	
Hairdressing		Not attending full time in May 2004	
Other fields		Year last attended full time	
<b>33 Whether applied to enrol in an educational institution in 2004 and type of institution (unmet demand)</b>	1	Left before 1996	
Applied to enrol in a course of study in 2004		Left in 1996	
Studying in May 2004		Left in 1997	
Gained placement but deferred study		Left in 1998	
Higher education		Left in 1999	
TAFE		Left in 2000	
Other educational institution		Left in 2001	
		Left in 2002	
		Left in 2003 or later	
		Never attended an educational institution full time	

## APPENDIX 1 POPULATIONS AND DATA ITEMS LIST *continued*

<i>Data items</i>	<i>Populations</i>	<i>Data items</i>	<i>Populations</i>
<b>36 Time of leaving full-time education</b>	5	<b>40 Level of highest non-school qualification (ASCED) <i>cont.</i></b>	1–7,9–16
January-May 2003		With non-school qualification <i>cont.</i>	
June 2003		Advanced Diploma/Diploma	
July 2003		Certificate III/IV	
August-October 2003		Certificate I/II	
November 2003		Certificate n.f.d.	
December 2003		Level not determined	
January-May 2004		Without non-school qualification	
<b>37 Main reason left full-time tertiary education</b>	5	<b>41 Highest year of school completed</b>	All
Completed course of study		Year 12	
Changed to part-time study(a)		Year 11	
Employment or financial reasons		Year 10	
Family responsibilities, illness, injury, personal reasons		Year 9	
Deferred course, lost interest, failed course		Year 8 or below	
Course unavailable		Never attended school	
Other reasons		Not asked (BSP)	
(a) May include some persons who have returned to school part time		<b>42 Main field of highest educational attainment (ASCED)</b>	All
<b>38 Type of school last attended</b>	Age=15–24	Natural and physical sciences	
Government		Information technology	
Non-Government		Engineering and related technologies	
Catholic		Architecture and building	
Other		Agriculture, environmental and related studies	
Not asked (still at school)		Health	
<b>39 Level of highest educational attainment (ASCED)</b>	1–7,9–16	Education	
Postgraduate Degree		Management and commerce	
Graduate Diploma/Graduate Certificate		Society and culture	
Bachelor Degree		Creative arts	
Advanced Diploma/Diploma		Food, hospitality and personal services	
Certificate III/IV		Mixed field programmes	
Certificate I/II		Field not determined	
Certificate n.f.d.		<b>43 Year completed highest non-school qualification</b>	8
Year 12		Before 1981	
Year 11		1981–1990	
Year 10 or below		1991–2000	
Level not determined		2001	
<b>40 Level of highest non-school qualification (ASCED)</b>	1–7,9–16	2002	
With non-school qualification		2003	
Postgraduate Degree		2004	
Graduate Diploma/Graduate Certificate		<b>44 Number of non-school qualifications obtained</b>	8
Bachelor Degree		One	
		Two	
		Three or more	

## APPENDIX 1 POPULATIONS AND DATA ITEMS LIST *continued*

<i>Data items</i>	<i>Populations</i>	<i>Data items</i>	<i>Populations</i>
<b>45 Main field of highest non-school qualification (ASCED)</b>	<b>8</b>	<b>45 Main field of highest non-school qualification (ASCED) <i>cont.</i></b>	<b>8</b>
Natural and physical sciences		Management and commerce	
Information technology		Society and culture	
Engineering and related technologies		Creative arts	
Architecture and building		Food, hospitality and personal services	
Agriculture, environmental and related studies		Mixed field programmes	
Health		Field not determined	
Education			

## APPENDIX 2 SUPPLEMENTARY SURVEYS

### SUPPLEMENTARY SURVEYS

The Monthly Population Survey program collects data on particular aspects of the labour force. The following is an historical list of supplementary surveys to the monthly labour force surveys. Data are available in publication form, by subscription or on request. Additional data from these surveys is available on request and can be obtained by contacting the ABS.

	<i>cat. no.</i>	<i>Frequency</i>	<i>Latest issue</i>
Career Experience, Australia	6254.0	Irregular	November 2002
Career Paths of Persons with Trade Qualifications, Australia	6243.0	Discontinued	Final issue 1993
Child Care, Australia	4402.0	Irregular	June 2002
Education and Work, Australia	6227.0	Annual	May 2004
Employee Earnings, Benefits, and Trade Union Membership, Australia	6310.0	Annual	August 2003
Forms of Employment, Australia	6359.0	Irregular	November 2001
Job Search Experience, Australia	6222.0	Annual	July 2003
Labour Force Experience, Australia	6206.0	Biennial	February 2003
Labour Force Status and Educational Attainment, Australia	6235.0	Discontinued	Final issue 1994
Labour Force Status and Other Characteristics of Families, Australia(a)	6224.0	Discontinued	Final issue 2000
Labour Force Status and Other Characteristics of Migrants, Australia	6250.0	Irregular	November 1999
Labour Mobility, Australia	6209.0	Biennial	February 2004
Locations of Work, Australia	6275.0	Irregular	June 2000
Multiple Jobholding, Australia(b)	6216.0	Irregular	August 1997
Participation in Education, Australia	6272.0	Discontinued	Final issue 1999
Persons Not in the Labour Force, Australia	6220.0	Annual	September 2003
Persons Who had Re-entered the Labour Force, Australia	6264.0.40.001	Discontinued	Final issue 1995
Persons Who Have Left the Labour Force, Australia	6267.0.40.001	Discontinued	Final issue 1994
Retirement and Retirement Intentions, Australia	6238.0	Irregular	November 1997
Retrenchment and Redundancy, Australia	6266.0	Irregular	July 2001
Successful and Unsuccessful Job Search Experience, Australia	6245.0	Discontinued	Final issue 2000
Superannuation, Australia	6319.0	Discontinued	Final issue 1995
Underemployed Workers, Australia	6265.0	Annual	September 2003
Working Arrangements, Australia	6342.0	Irregular	November 2003
Work-Related Injuries, Australia	6324.0	Irregular	September 2000

(a) Latest data available June 2003, from the ABS web site cat. no. 6291.0.55.001 annual, or on request.

(b) Latest data available on request July 2001.

## INTRODUCTION

**1** 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 those estimates 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 (SE), 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 (67%) that a sample estimate will differ by less than one SE from the number that would have been obtained if all dwellings had been included, and about 19 chances in 20 (95%) that the difference will be less than two SEs. Another measure of the likely difference is the relative standard error (RSE), which is obtained by expressing the SE as a percentage of the estimate.

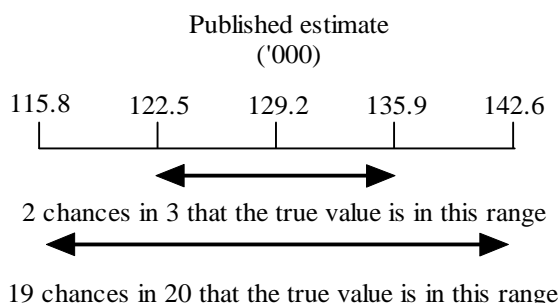
**2** Due to space limitations, it is impractical to print the SE of each estimate in the publication. Instead, a table of SEs is provided to enable readers to determine the SE for an estimate from the size of that estimate (see table T1). Each SE table is derived from a mathematical model, referred to as the "SE model", which is created using the data collected in this survey. It should be noted that the SE model only gives an approximate value for the SE for any particular estimate, since there is some minor variation among SEs for different estimates of the same size.

## CALCULATION OF STANDARD ERROR

**3** An example of the calculation and the use of SEs in relation to estimates of persons is as follows. Table 4 shows that the estimated number of persons aged 20–24 years enrolled for a qualification in Management and commerce was 129,200. Since this estimate is between 100,000 and 150,000, table T1 shows that the SE for Australia will lie between 5,950 and 7,250 and can be approximated by interpolation using the following general formula:

$$\begin{aligned}
 &SE \text{ of estimate} \\
 &= \text{lower SE} + \left( \left( \frac{\text{size of estimate} - \text{lower estimate}}{\text{upper estimate} - \text{lower estimate}} \right) \times (\text{upper SE} - \text{lower SE}) \right) \\
 &= 5,950 + \left( \left( \frac{129,200 - 100,000}{150,000 - 100,000} \right) \times (7,250 - 5,950) \right) \\
 &= 6,700 \text{ (rounded to the nearest 100)}
 \end{aligned}$$

**4** Therefore, there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall within the range 122,500 to 135,900 and about 19 chances in 20 that the value will fall within the range 115,800 to 142,600. This example is illustrated in the diagram below.



**5** In general, the size of the SE increases as the size of the estimate increases. Conversely, the RSE decreases as the size of the estimate increases. Very small estimates are thus subject to such high RSEs that their value for most practical purposes is unreliable. In the tables in this publication, only estimates with RSEs of 25% or less are considered reliable for most purposes. Estimates with RSEs greater than 25% but less than or equal to 50% are preceded by an asterisk (e.g. \*3.4) to indicate they are subject

## CALCULATION OF STANDARD ERROR *continued*

to high SEs and should be used with caution. Estimates with RSEs of greater than 50%, preceded by a double asterisk (e.g. \*\*0.3), are considered too unreliable for general use and should only be used to aggregate with other estimates to provide derived estimates with RSEs of 25% or less.

## PROPORTIONS AND PERCENTAGES

**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. A formula to approximate the RSE of a proportion is given below. This formula is only valid when x is a subset of y.

$$RSE\left(\frac{x}{y}\right) = \sqrt{[RSE(x)]^2 - [RSE(y)]^2}$$

**7** For example, in table 4 the estimate for the total number of persons aged 20–24 years enrolled for a qualification is 512,200. The estimated number of persons aged 20–24 years enrolled for a qualification in Management and commerce was 129,200, so the proportion of persons aged 20–24 years enrolled in Management and commerce is 129,200/512,200 or 25.2%. The SE of the total number of persons aged 20–24 years enrolled for a qualification may be calculated by interpolation as 12,800 (rounded to the nearest 100). To convert this to an RSE we express the SE as a percentage of the estimate, or 12,800/512,200 = 2.5%. The SE for the number of persons aged 20–24 years enrolled for a qualification in Management and commerce was calculated above as 6,700, which converted to an RSE is 6,700/129,200 = 5.2%. Applying the above formula, the RSE of the proportion is below, giving an SE for the proportion (25.2%) of 1.2 percentage points (=25.2\*0.046).

$$RSE = \sqrt{(5.2)^2 - (2.5)^2} = 4.6\%$$

**8** Therefore, there are about two chances in three that the proportion of persons aged 20–24 years enrolled for a qualification in Management and commerce is between 24.0% and 26.4% and 19 chances in 20 that the proportion is within the range 22.8% to 27.6%.

## DIFFERENCES

**9** Published estimates may also be used to calculate the difference between two survey estimates (of numbers or percentages). Such an estimate is subject to sampling error. The sampling error of the difference between two estimates depends on their SEs and the relationship (correlation) between them. An approximate SE of the difference between two estimates (x–y) may be calculated by the following formula:

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

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

# TECHNICAL NOTE DATA QUALITY *continued*

## STANDARD ERRORS

## T1 STANDARD ERRORS OF ESTIMATES

	AUST. .....									
<i>Size of Estimate (persons)</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>SE</i>	<i>RSE</i>
	no.	no.	no.	no.	no.	no.	no.	no.	no.	%
100	190	130	160	130	120	90	140	110	160	160.0
200	270	200	240	190	180	130	190	150	240	120.0
300	340	260	300	240	230	170	230	190	300	100.0
500	450	360	400	320	300	230	290	240	400	80.0
700	540	440	480	380	370	280	340	290	480	68.6
1,000	650	540	590	460	450	340	400	340	580	58.0
1,500	810	690	730	570	560	420	490	420	720	48.0
2,000	940	810	850	660	660	490	570	480	840	42.0
2,500	1 050	900	950	750	750	550	650	550	950	38.0
3,000	1 150	1 000	1 050	800	800	600	700	600	1 050	35.0
3,500	1 250	1 100	1 150	850	900	650	750	600	1 150	32.9
4,000	1 350	1 200	1 200	950	950	700	800	650	1 200	30.0
5,000	1 500	1 350	1 350	1 050	1 050	750	950	750	1 350	27.0
7,000	1 800	1 600	1 600	1 200	1 300	900	1 100	850	1 600	22.9
10,000	2 150	1 950	1 900	1 450	1 550	1 050	1 350	1 000	1 950	19.5
15,000	2 650	2 400	2 350	1 750	1 900	1 200	1 700	1 200	2 350	15.7
20,000	3 050	2 750	2 700	2 000	2 200	1 350	2 050	1 350	2 750	13.8
30,000	3 700	3 350	3 250	2 400	2 700	1 600	2 600	1 600	3 350	11.2
40,000	4 250	3 850	3 750	2 700	3 100	1 750	3 100	1 800	3 850	9.6
50,000	4 750	4 300	4 150	3 000	3 450	1 900	3 550	1 950	4 250	8.5
100,000	6 650	5 900	5 700	4 000	4 800	2 400	5 450	2 550	5 950	6.0
150,000	8 050	7 100	6 850	4 750	5 800	2 700	7 100	3 000	7 250	4.8
200,000	9 250	8 050	7 750	5 300	6 600	2 950	8 550	3 350	8 250	4.1
300,000	11 150	9 550	9 250	6 250	7 950	3 250	..	3 900	10 000	3.3
500,000	14 100	11 750	11 500	7 600	10 000	3 700	..	..	12 650	2.5
1,000,000	19 350	15 450	15 300	9 850	13 450	..	..	..	17 300	1.7
2,000,000	26 400	20 000	20 200	12 600	18 000	..	..	..	23 500	1.2
5,000,000	39 450	27 500	28 800	..	..	..	..	..	34 950	0.7
10,000,000	..	..	..	..	..	..	..	..	46 850	0.5
15,000,000	..	..	..	..	..	..	..	..	55 450	0.4

.. not applicable

## T2 LEVELS AT WHICH ESTIMATES HAVE RELATIVE STANDARD ERRORS OF 25% AND 50%(a)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	no.	no.	no.	no.	no.	no.	no.	no.	no.
RSE of 25%	7 300	5 800	5 900	3 500	3 600	1 900	2 600	1 800	5 900
RSE of 50%	1 700	1 200	1 400	800	800	400	700	500	1 400

(a) Refers to the number of persons contributing to the estimate.

## GLOSSARY

<b>Apprentice</b>	An apprentice is a person aged 15–54 years who has entered into a legal contract (called an indenture or contract of training) with an employer, to serve a period of training for the purpose of attaining tradesperson status in a recognised trade. In this survey, apprentices are identified either by their occupation description or by their answers to a question specifically pertaining to the New Apprenticeship Scheme.
<b>Australian Standard Classification of Education (ASCED)</b>	The ASCED is a national standard classification which includes all sectors of the Australian education system: that is, schools, vocational education and training, and higher education. From 2001, ASCED replaced a number of classifications used in administrative and statistical systems, including the ABSCQ. The ASCED comprises two classifications: Level of Education and Field of Education. See <i>Australian Standard Classification of Education (ASCED), 2001</i> (cat. no. 1272.0).
<b>Certificate not further defined</b>	Survey responses are coded to Certificate not further defined (n.f.d.) when there is not enough information to code them to Certificate I, II, III or IV in the Australian Standard Classification of Education (ASCED), Level of Education classification.
<b>Country of birth</b>	Country of birth has been classified according to the <i>Standard Australian Classification of Countries (SACC), 1998</i> (cat. no. 1269.0).
<b>Educational institution</b>	Any institution whose primary role is education. Included are schools, higher education establishments, colleges of technical and further education, public and private colleges, etc. Excluded are institutions whose primary role is not education, for example, hospitals.
<b>Employed</b>	Persons who, during the reference week: <ul style="list-style-type: none"> <li>■ worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (comprising employees, employers and own account workers); or</li> <li>■ worked for one hour or more without pay in a family business or on a farm (i.e. contributing family workers); or</li> <li>■ were employees who had a job but were not at work and were:               <ul style="list-style-type: none"> <li>■ away from work for less than four weeks up to the end of the reference week; or</li> <li>■ away from work for more than four weeks up to the end of the reference week and received pay for some or all of the four week period to the end of the reference week; or</li> <li>■ away from work as a standard work or shift arrangement; or</li> <li>■ on strike or locked out; or</li> <li>■ on workers' compensation and expected to return to their job; or</li> </ul> </li> <li>■ were employers or own account workers who had a job, business or farm, but were not at work.</li> </ul>
<b>Enrolled</b>	Refers to persons enrolled for a course of study in the particular reference period (e.g. survey month, or previous calendar year) at an educational institution (as defined).
<b>Field of education</b>	Field of Education is defined as the subject matter of an educational activity. It is categorised according to the <i>Australian Standard Classification of Education (ASCED), 2001</i> (cat. no. 1272.0) Field of Education classification.
<b>Field of trade</b>	Refers to the occupation of an apprentice and is classified to the ASCO — <i>Australian Standard Classification of Occupations, Second Edition, 1997</i> (cat. no. 1220.0) Unit Group.
<b>Full-time workers</b>	Employed persons who usually worked 35 hours or more a week (in all jobs) and those who, although usually working less than 35 hours a week, worked 35 hours or more during the reference week.
<b>Higher education institution</b>	An Australian institution providing higher education courses, e.g. Universities; Colleges of Advanced Education; Institutes of Advanced Education; Institutes of Higher Education; Institutes of Tertiary Education; Agricultural Colleges and some Institutes of Technology.

## GLOSSARY *continued*

<b>Industry</b>	From August 1994, Industry has been classified according to the <i>Australian and New Zealand Standard Industrial Classification (ANZSIC), 1993</i> (cat. no. 1292.0).
<b>Industry sector</b>	Classification of a respondent's employer as a public or private enterprise. The public sector includes all local government authorities and government departments, Australian defence forces, agencies and authorities created by, or reporting to, the state, territory or Commonwealth Parliaments. All other employment is classified to the private sector.
<b>Leavers</b>	Persons who were enrolled in a course of study leading to a qualification in the previous year, but were not enrolled in a course of study leading to a qualification at the time of the survey.
<b>Level of education</b>	Level of education is a function of the quality and quantity of learning involved in an educational activity. It is categorised according to the Australian Standard Classification of Education (ASCED), Level of Education classification.
<b>Level of highest educational attainment</b>	Level of highest educational attainment identifies the highest achievement a person has attained in any area of study. It is not a measurement of the relative importance of different fields of study but a ranking of qualifications and other educational attainments regardless of the particular area of study or the type of institution in which the study was undertaken. See paragraphs 24–26 of the Explanatory Notes for how highest level is derived.
<b>Level not determined</b>	Level (of highest educational attainment) not determined is used when respondents have given their highest level of school completed and have said they have a non-school qualification but have not supplied a level for the non-school qualification. Their highest level of school completed may well be their highest level of attainment but because the level of their highest non-school qualification is not available, it can not be determined whether their Year 12, 11 or 10 is their highest level of attainment. Level not determined also includes inadequately described responses or where no responses were given.
<b>Non-school qualification</b>	Non-school qualifications are awarded for educational attainments other than those of pre-primary, primary or secondary education. They include qualifications at the Post Graduate Degree level, Master Degree level, Graduate Diploma and Graduate Certificate level, Bachelor Degree level, Advanced Diploma and Diploma level, and Certificates I, II, III and IV levels. Non-school qualifications may be attained concurrently with school qualifications.
<b>Not in the labour force</b>	Persons who were not in the categories 'employed' or 'unemployed' as defined.
<b>Occupation</b>	Classified according to the ASCO — <i>Australian Standard Classification of Occupations, Second Edition, 1997</i> (cat. no. 1220.0).
<b>Other educational institution</b>	Includes institutions or establishments that offer educational courses such as industry skills centres, professional or industry associations, equipment/product manufacturer or supplier, and instances where insufficient information was available to determine the type of educational institution.
<b>Part-time workers</b>	Employed persons who usually worked less than 35 hours a week (in all jobs) and either did so during the reference week, or were not at work in the reference week.
<b>Qualification</b>	Formal certification, issued by a relevant approved body, in recognition that a person has achieved learning outcomes or competencies relevant to identified individual, professional, industry or community needs. Statements of attainment awarded for partial completion of a course of study at a particular level are excluded.
<b>Reference week</b>	The week preceding the week in which the interview was conducted.
<b>Starters</b>	Persons who were enrolled in a course of study leading to a qualification at the time of the survey, but were not enrolled in a course of study leading to a qualification at any time in the previous calendar year.

## GLOSSARY *continued*

<b>Study leading to a qualification</b>	The reported level of education of any study being undertaken that will lead to formal certification, issued by a relevant approved body, in recognition that a person has achieved learning outcomes or competencies relevant to identified individual, professional, industry or community needs. In this survey, if the respondent was still attending school their level of study was recorded as their current year of schooling. If the respondent had left school and was enrolled in study leading to a qualification they were asked the level of the qualification.
<b>TAFE</b>	A Technical and Further Education institution. In Victoria this may also be interpreted as Training and Further Education.
<b>Unemployed</b>	Persons aged 15 years and over who were not employed during the reference week, and: <ul style="list-style-type: none"><li>■ had actively looked for full-time or part-time work at any time in the four weeks up to the end of the reference week and were available for work in the reference week; or</li><li>■ were waiting to start a new job within four weeks from the end of the reference week and could have started in the reference week if the job had been available then.</li></ul>
<b>Unmet educational demand</b>	Persons who applied to enrol for a course of study in an educational institution and who were unable to gain placement. Excludes persons who were studying at the time of the survey.



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