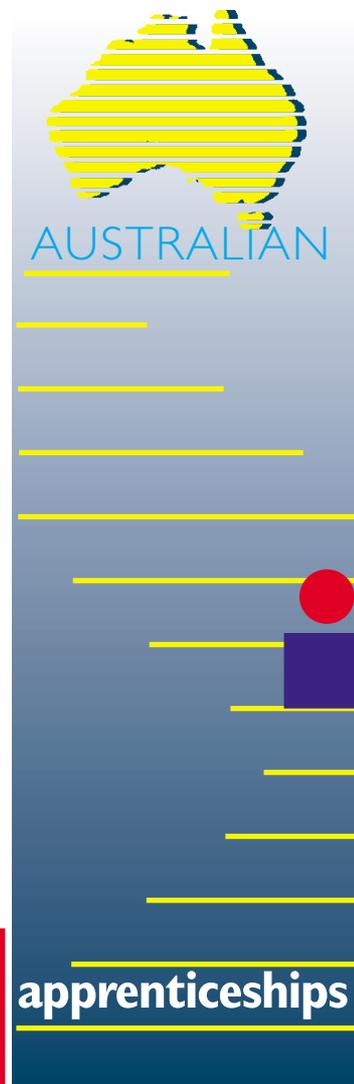


**Facts,**  
fiction  
and  
*future*

APPENDICES



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# Appendix 1: Apprentice, trainee and new apprentice statistics

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The National Centre for Vocational Education Research publishes apprentice and trainee statistics on a quarterly and annual basis. The NCVER has been responsible for publishing national apprentice, trainee and new apprentice statistics since 1994. The statistics report all new apprenticeships since 1998.

These statistics are published in various editions of *Australian apprentice and trainee statistics*.

Revised and updated Australian apprentice and trainee statistics are also available on the NCVER website at [www.ncver.edu.au](http://www.ncver.edu.au).

The NCVER has also published historical time series statistics on apprenticeships, traineeships and new apprenticeships in various publications including:

- ❖ NCVER 2000, *Apprentices and trainees in Australia 1985 to 1999: At a glance*
- ❖ NCVER 1999, *Australian apprentices and trainees statistics: Trends 1995 to 1998*
- ❖ NCVER 1998, *Apprentices and trainees in Australia 1985 to 1997: At a glance*

The apprentice, trainee and new apprentice statistics used in this report (including in the tables in this appendix) are drawn from these sources and information available in NCVER's June 2000 New Apprenticeships Collection. Some minor discrepancies exist between the statistics used here and those that have previously been published. This is because all statistics used in this report have been revised and updated on the basis of the latest available apprentice and trainee data. It should also be noted that some of the figures may change slightly in subsequent collections due to the processing of late returns.

Apprenticeship statistics prior to 1994 were published by the various Commonwealth departments responsible for apprenticeship training at different times and by the NCVER in the early 1990s. These publications included:

- ❖ NCVER, *Apprenticeship statistics*
- ❖ Department of Employment and Industrial Relations, *Apprenticeship statistics*
- ❖ Department of Employment and Youth Affairs, *Apprenticeship statistics*

Prior to 1994, traineeship statistics were published separately from apprenticeship statistics by the particular Commonwealth department responsible for traineeships—at different times this being the Department of Employment and Industrial Relations, the Department of Employment and Youth Affairs and the Department of Employment, Education and Training. National traineeship statistical publications included:

- ❖ *Australian Traineeship System: Trainee commencements*
- ❖ *Australian Traineeship System: Quarterly performance report*

**Table 84: The number of apprentice, trainee<sup>(a)</sup> and new apprentice commencements, numbers in training and completions, 1970–2000**

Year	No. of commencements <sup>(b)</sup> in 12 months ending 30 June ('000)			No. in training at 30 June ('000)			No. of completions in 12 months ending 30 June ('000)		
	Apprentices	Trainees	Total	Apprentices	Trainees	Total	Apprentices	Trainees <sup>(c)</sup>	Total
1970	32.1	–	32.1	103.8	–	103.8	26.4	–	26.4
1971	34.7	–	34.7	110.0	–	110.0	22.0	–	22.0
1972	32.6	–	32.6	113.0	–	113.0	24.7	–	24.7
1973	31.9	–	31.9	116.7	–	116.7	22.9	–	22.9
1974	42.4	–	42.4	131.4	–	131.4	22.2	–	22.2
1975	35.5	–	35.5	131.9	–	131.9	28.0	–	28.0
1976	39.0	–	39.0	134.7	–	134.7	25.8	–	25.8
1977	38.7	–	38.7	123.2	–	123.2	29.3	–	29.3
1978	45.3	–	45.3	126.9	–	126.9	32.9	–	32.9
1979	42.6	–	42.6	129.9	–	129.9	30.6	–	30.6
1980	46.4	–	46.4	136.7	–	136.7	30.8	–	30.8
1981	48.8	–	48.8	140.8	–	140.8	34.3	–	34.3
1982	47.9	–	47.9	147.2	–	147.2	32.0	–	32.0
1983	34.8	–	34.8	138.8	–	138.8	33.4	–	33.4
1984	38.0	–	38.0	131.9	–	131.9	35.9	–	35.9
1985	49.3	0.0	49.3	128.6	0.0	128.6	36.5	0.0	36.5
1986	51.8	1.1	52.9	130.4	1.0	131.4	38.2	0.0	38.2
1987	52.1	7.3	59.3	138.9	6.4	145.3	26.5	0.7	27.2
1988	55.0	10.5	65.5	147.9	9.2	156.3	29.9	4.4	34.3
1989	62.7	13.9	76.5	151.7	12.2	163.9	30.4	6.3	36.7
1990	62.3	13.4	75.7	161.0	11.8	172.8	32.2	8.3	40.5
1991	45.0	9.6	54.6	151.0	9.2	160.2	32.2	8.0	40.2
1992	40.5	9.4	49.9	142.9	9.0	151.9	36.1	5.8	41.9
1993	46.1	17.0	63.0	122.7	14.9	137.5	39.6	5.6	45.2
1994	50.5	8.9	59.4	123.3	7.8	131.1	34.3	10.2	44.5
1995	44.9	15.1	60.0	123.8	12.1	135.9	24.0	8.9	32.9
1996	42.3	33.8	76.1	126.3	30.2	156.5	23.2	8.5	31.7
1997	41.4	54.0	95.4	123.8	48.1	171.9	27.2	17.1	44.3
1998	–	–	125.3	–	–	193.6	–	–	53.9
1999	–	–	195.7	–	–	254.8	–	–	62.4
2000	–	–	178.4	–	–	275.6	–	–	73.7

(a) The number of traineeship recommencements and numbers in training from 1985 to 1993 have been estimated by NCVER and were published in NCVER (1998).

(b) The series includes commencements and recommencements prior to 1995. Since 1995 the data cover commencements only. Commencements and recommencements data prior to 1985 are the number of indentures registered in some States and Territories (see DEIR 1980 for explanatory notes).

(c) The number of traineeship completions for 1986 to 1993 have been estimated using the trainee completions estimates derived by the Department of Education, Training and Youth Affairs (see Grey et al. 1999) which show that traineeship non-completions have averaged 40%. Thus traineeship completions between 1986 and 1994 have been estimated here to be 60% of the previous year's commencements. This proxy for traineeship completions provides an indication of trends in trainee completions in the absence of actual data prior to 1994.

Source: DEIR (1986); DEYA (1980); NCVER (1995, 1998, 2000a, 2000b, 2000c)

Table 85: The number of apprenticeships, traineeships and new apprenticeships by occupational group, 1985–2000

Occupational group (1985–1994)		Apprentices & trainees in training at 30 June <sup>(c)</sup> ('000)																Occupational group (1995 onwards)	
		1985	1986	1987	1988 <sup>(d)</sup>	1989	1990	1991	1992	1993	1994	1995 <sup>(e)</sup>	1996	1997	1998	1999	2000		
<b>1</b>	<b>Managers &amp; administrators</b>	0.0	0.0	0.0	(a)	(a)	0.1	0.1	0.1	0.1	0.1	1.6	2.3	2.8	2.4	2.5	2.8	<b>1</b>	<b>Managers &amp; administrators</b>
<b>2</b>	<b>Professionals</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	1.5	1.6	1.8	<b>2</b>	<b>Professionals</b>
<b>3</b>	<b>Para-professionals</b>	0.0	(a)	(a)	0.1	0.1	0.1	0.1	0.1	0.2	0.1	1.3	2.9	4.8	6.8	6.8	7.5	<b>3</b>	<b>Associate professionals</b>
<b>41</b>	<b>Metal fitting/mach.</b>	–	–	–	15.2	15.5	16.2	15.1	14.4	12.4	11.2	20.0	21.1	21.3	20.9	20.1	18.9	<b>41</b>	<b>Mech. &amp; fabrication eng. tradespersons</b>
<b>42</b>	<b>Other metal</b>	44.5	42.1	43.4	11.6	12.2	13.4	12.3	11.6	9.8	9.5								
<b>43</b>	<b>Electrical</b>	18.3	18.0	17.9	20.9	21.9	23.3	22.4	20.9	17.8	16.5	15.3	16.1	16.7	17.2	18.0	19.4	<b>43</b>	<b>Electrical &amp; electronics tradespersons</b>
<b>44</b>	<b>Building</b>	21.9	22.8	25.2	27.7	30.3	32.7	30.6	28.8	23.8	25.5	26.7	26.0	24.6	24.4	26.8	31.4	<b>44</b>	<b>Construction tradespersons</b>
<b>45</b>	<b>Printing</b>	3.4	3.8	4.3	4.7	3.4	4.5	4.0	3.6	2.0	2.0	2.3	2.4	2.2	2.0	1.8	1.9	<b>491</b>	<b>Printing tradespersons</b>
<b>46</b>	<b>Vehicle</b>	6.0	6.5	7.3	23.8	25.3	27.1	25.3	23.4	19.6	18.9	21.0	23.0	23.8	23.1	22.9	23.9	<b>42</b>	<b>Automotive tradespersons</b>
<b>47</b>	<b>Food</b>	11.0	12.0	13.2	13.9	13.8	14.3	13.9	13.9	13.5	15.2	14.9	15.9	16.6	17.1	20.2	20.7	<b>45</b>	<b>Food tradespersons</b>
<b>48</b>	<b>Horticulture</b>	–	–	–	3.2	3.4	3.5	3.5	3.4	3.4	3.5	3.4	3.3	3.2	3.2	3.6	4.6	<b>46</b>	<b>Skilled agri. &amp; horticultural workers</b>
<b>4927</b>	<b>Hairdressing</b>	12.4 <sup>(b)</sup>	13.3 <sup>(b)</sup>	14.5	14.0	13.6	13.2	12.5	12.2	11.3	11.2	9.8	9.7	9.5	9.4	10.0	10.7	<b>4931</b>	<b>Hairdressers</b>
<b>4900</b>	<b>Other</b>	11.2 <sup>(b)</sup>	11.9 <sup>(b)</sup>	13.0	12.0	12.4	12.8	11.3	10.8	9.2	9.6	6.9	6.9	6.8	6.7	7.1	8.1		<b>All other misc. tradespersons &amp; related workers</b>
<b>5</b>	<b>Clerks</b>	0.0	0.9	4.7	7.1	7.9	7.4	5.4	5.1	8.4	3.7	0.1	0.2	0.2	0.2	0.1	0.1	<b>5</b>	<b>Advanced clerical &amp; service workers</b>

**Table 85: The number of apprenticeships, traineeships and new apprenticeships by occupational group, 1985–2000 (cont.)**

Occupational group (1985–1994)	Apprentices & trainees in training at 30 June <sup>(c)</sup> ('000)																	Occupational group (1995 onwards)
	1985	1986	1987	1988 <sup>(d)</sup>	1989	1990	1991	1992	1993	1994	1995 <sup>(e)</sup>	1996	1997	1998	1999	2000		
<b>6</b> Salespersons & personal services workers	0.0	<sup>(a)</sup>	0.8	0.7	0.8	2.8	2.5	2.6	4.7	2.8	8.1	15.0	21.7	30.7	49.7	47.8	<b>6</b>	Intermediate clerical, sales & service workers
											2.1	4.8	6.6	9.9	33.8	33.6	<b>8</b>	Elementary clerical, sales & service workers
<b>7</b> Plant & machine operators & drivers	0.0	0.0	0.1	0.4	0.9	0.6	0.5	0.5	0.6	0.5	0.5	1.5	2.1	3.4	7.4	11.9	<b>7</b>	Intermediate production & transport workers
<b>8</b> Labourers & related workers	0.0	0.1	0.7	0.9	2.5	0.9	0.6	0.6	0.9	0.7	2.0	5.0	8.7	14.6	22.3	30.6	<b>9</b>	Labourers & related workers
<b>4</b> Total tradespersons & related occupations	128.6	130.4	139.0	147.1	151.7	160.9	151.0	142.9	122.6	123.2	120.2	124.5	124.7	124.1	130.5	139.4	<b>4</b>	Total tradespersons & related occupations
<b>Total all apprenticeships &amp; traineeships</b>	128.6	131.4	145.3	156.3	163.9	172.8	160.2	151.9	137.5	131.1	135.9	156.5	171.9	193.6	254.8	275.6		Total all apprenticeships & traineeships

(a) The number in training is less than 50.

(b) Estimated by NCVER.

(c) The number of trainees in training have been estimated between 1985 and 1993.

(d) From 1988 onwards changes were made to occupational groupings. These include: the splitting of 'metal' into two trade groups—'metal fitting and machining' and 'other metal'; the removal of 'horticulture' from the 'miscellaneous' trade group category as a separate grouping; and the transfer of the trade vehicle mechanic from the 'metal' trade group category to the 'vehicle' trade.

(e) From 1995 onwards farming vocations were transferred from the 'miscellaneous' trade group to 'managers and administrators'.

Source: NCVER (2000a, 2000b, 2000c)

**Table 86: The proportion of apprentices and trainees and new apprentices by occupational group, 1985–2000**

Occupational group (1985–1994)		Apprentices & trainees in training at 30 June <sup>(a)</sup> (%)																Occupational group (1995 onwards)	
		1985	1986	1987	1988 <sup>(b)</sup>	1989	1990	1991	1992	1993	1994	1995 <sup>(c)</sup>	1996	1997	1998	1999	2000		
<b>1</b>	<b>Managers &amp; administrators</b>	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	1.2	1.5	1.6	1.3	1.0	1.0	<b>1</b>	<b>Managers &amp; administrators</b>
<b>2</b>	<b>Professionals</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.8	0.6	0.7	<b>2</b>	<b>Professionals</b>
<b>3</b>	<b>Para-professionals</b>	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	1.0	1.8	2.8	3.5	2.7	2.7	<b>3</b>	<b>Associate professionals</b>
<b>4</b>	<b>Tradespersons &amp; related workers</b>	100.0	99.2	95.6	94.1	92.6	93.1	94.2	94.1	89.0	94.0	88.4	79.6	72.6	64.1	51.2	50.7	<b>4</b>	<b>Tradespersons &amp; related workers</b>
<b>5/6</b>	<b>Clerks, salespersons, personal services workers</b>	0.0	0.7	3.8	5.0	5.3	5.9	4.9	5.1	9.5	4.9	7.5	12.8	16.6	21.1	32.8	29.6	<b>5/6/8</b>	<b>Advanced, intermediate &amp; elementary clerical, sales &amp; service workers</b>
<b>7</b>	<b>Plant &amp; machine operators &amp; drivers</b>	0.0	0.0	0.1	0.2	0.5	0.3	0.3	0.3	0.4	0.4	0.4	1.0	1.2	1.7	2.9	4.3	<b>7</b>	<b>Intermediate production &amp; transport workers</b>
<b>8</b>	<b>Labourers &amp; related workers</b>	0.0	0.1	0.5	0.6	1.5	0.5	0.4	0.4	0.7	0.5	1.4	3.2	5.0	7.6	8.8	11.1	<b>9</b>	<b>Labourers &amp; related workers</b>
<b>Total</b>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

(a) The number of trainees in training have been estimated between 1985 and 1993.

(b) From 1988 onwards changes were made to occupational groupings. These include: the splitting of 'metal' into two trade groups—'metal fitting and machining' and 'other metal'; the removal of 'horticulture' from the 'miscellaneous' trade group category as a separate grouping; and the transfer of the trade vehicle mechanic from the 'metal' trade group category to the 'vehicle' trade.

(c) From 1995 onwards farming vocations were transferred from the 'miscellaneous' trade group to 'managers and administrators'.

Source: NCVET (2000a, 2000b, 2000c)

**Table 87: The number of apprentices and trainees and new apprenticeships and all employed persons by occupation, 1987, 1995, 1997 and 2000**

Occupational group	1987				1995				1997				2000				
	No. employed ('000)		Proportion of total (%)		No. employed ('000)		Proportion of total (%)		No. employed ('000)		Proportion of total (%)		No. employed ('000)		Proportion of total (%)		
	A&T	Wkforce	A&T	Wkforce													
1 Managers & administrators	0.0	783.8	0.0	11.0	1.6	881.3	1.2	10.7	2.8	637.9	1.6	7.6	2.8	634.4	1.0	7.0	
2 Professionals	0.0	868.7	0.0	12.2	0.1	1149.1	0.1	14.0	0.4	1436.4	0.3	17.1	1.8	1645.4	0.7	18.3	
3 Associate professionals	0.1	427.0	0.1	6.0	1.3	466.8	1.0	5.7	4.8	912.6	2.8	10.9	7.5	1013.2	2.7	11.2	
4 Tradespersons & related workers	138.8	1128.5	95.5	15.9	120.2	1192.4	88.4	14.5	124.7	1147.0	72.6	13.7	139.4	1202.5	50.7	13.6	
5 Advanced clerical & service workers	4.7	1224.6	3.2	17.2	0.1	1347.9	0.1	16.4	0.2	375.8	0.1	4.5	0.1	389.9	0.1	4.3	
6 Intermediate clerical, sales & service workers*	0.8	989.1	0.6	13.9	10.2	1389.2	7.4	16.9	21.7	1398.2	12.6	16.7	47.8	1581.2	17.3	17.5	
7 Intermediate production & transport workers	0.1	566.2	0.1	8.1	0.5	581.7	0.4	7.1	2.1	770.7	1.2	9.2	11.9	802.6	4.3	8.9	
8 Elementary clerical, sales & service workers	*	*	*	*	*	*	*	*	*	6.6	870.1	3.8	10.0	33.6	871.4	12.2	9.7
9 Labourers & related workers	0.8	1112.3	0.6	15.7	2.0	1222.5	1.5	14.9	8.7	840.6	5.0	10.0	30.6	875.9	11.1	9.7	
Total	145.3	7100.1	100.0	100.0	135.9	8230.9	100.0	100.0	171.9	8389.3	100.0	99.7	275.6	9016.5	100.0	100.0	

\* Elementary clerical, sales and service workers are included in the totals for intermediate clerical, sales and service workers in 1987 and 1995.

Source: NCVET (2000b); ABS (2000a)

**Table 88: The duration of apprenticeships and traineeships and new apprenticeships, 1995–2000**

Expected duration of training contract	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
1 year or less	15.1	28.7	40.9	54.0	81.7	55.0
Over 1 year & up to & including 2 years	11.1	13.0	15.2	21.9	38.8	50.9
Over 2 years & up to & including 3 years	13.1	13.6	13.3	14.4	27.4	48.4
Over 3 years & up to & including 4 years	90.6	95.2	97.2	98.7	103.1	117.8
Over 4 years	6.0	6.1	5.4	4.5	3.6	3.6
<b>Total</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
1 year or less	11.1	18.3	23.8	27.9	32.1	19.9
Over 1 year & up to & including 2 years	8.1	8.3	8.8	11.3	15.2	18.5
Over 2 years & up to & including 3 years	9.6	8.7	7.7	7.5	10.8	17.6
Over 3 years & up to & including 4 years	66.6	60.8	56.6	51.0	40.5	42.7
Over 4 years	4.4	3.9	3.1	2.3	1.4	1.3
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVET (2000a, 2000b, 2000c)

**Table 89: The level of qualifications of apprenticeships, traineeships and new apprenticeships, 1995–2000**

AQF qualification level	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
Certificate I	0.6	0.5	0.5	0.4	0.3	0.1
Certificate II	8.8	22.7	31.8	44.9	53.9	57.2
Certificate III	114.4	120.8	126.9	137.1	188.2	207.6
Certificate IV or higher	0.3	0.4	1.1	3.4	8.3	8.4
Not known	11.9	12.1	11.6	7.7	4.2	2.3
<b>Total</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
Certificate I	0.4	0.3	0.3	0.2	0.1	0.1
Certificate II	6.5	14.5	18.5	23.2	21.1	20.7
Certificate III	84.1	77.2	73.8	70.8	73.9	75.3
Certificate IV or higher	0.2	0.2	0.6	1.8	3.3	3.1
Not known	8.8	7.7	6.8	4.0	1.6	0.8
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVET (2000a, 2000b, 2000c)

**Table 90: The duration of apprenticeships and traineeships and new apprenticeships by AQF qualification level, 1995–2000**

Expected duration of training contract	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Certificate I &amp; II</b>						
1 year or less	7.4	19.4	26.0	34.3	36.5	32.9
Over 1 year & up to & including 2 years	1.1	2.7	4.9	8.6	11.4	13.3
Over 2 years & up to & including 3 years	0.2	0.4	0.5	1.2	4.7	8.9
Over 3 years & up to & including 4 years	0.6	0.7	0.8	1.2	1.6	2.3
Over 4 years	0.0	0.0	0.0	0.1	0.1	0.0
<b>Total Certificate I &amp; II</b>	<b>9.4</b>	<b>23.2</b>	<b>32.3</b>	<b>45.3</b>	<b>54.1</b>	<b>57.3</b>
<b>Certificate III</b>						
1 year or less	5.5	6.7	11.5	16.5	40.6	19.8
Over 1 year & up to & including 2 years	8.7	9.0	9.1	12.0	25.1	34.5
Over 2 years & up to & including 3 years	12.1	12.5	12.2	12.7	21.9	37.8
Over 3 years & up to & including 4 years	82.6	87.1	89.0	91.6	97.1	112.2
Over 4 years	5.4	5.7	5.1	4.2	3.4	3.2
<b>Total Certificate III</b>	<b>114.4</b>	<b>120.8</b>	<b>126.9</b>	<b>137.1</b>	<b>188.2</b>	<b>207.6</b>
<b>Certificate IV/Diploma/Advanced Diploma</b>						
1 year or less	0.1	0.2	0.6	2.1	4.6	2.2
Over 1 year & up to & including 2 years	0.0	0.1	0.2	0.7	2.2	3.1
Over 2 years & up to & including 3 years	0.0	0.0	0.1	0.1	0.6	1.7
Over 3 years & up to & including 4 years	0.1	0.1	0.1	0.3	0.8	1.1
Over 4 years	0.0	0.0	0.1	0.1	0.2	0.3
<b>Total Certificate IV</b>	<b>0.3</b>	<b>0.4</b>	<b>1.1</b>	<b>3.4</b>	<b>8.3</b>	<b>8.4</b>
<b>Total all AQF levels*</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\*Includes contracts where an AQF qualification level is not known.

Source: NCVER (2000a, 2000b, 2000c)

**Table 91: Apprenticeships and traineeships and new apprenticeships in the managerial and administrative occupations by level of qualification and duration of training, 1995–2000**

Category	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Level of qualification</b>						
Certificate I & II	0.2	0.8	1.0	1.0	1.0	1.1
Certificate III	1.1	1.3	1.5	1.3	1.3	1.4
Certificate IV or higher	0.0	0.0	0.0	0.1	0.2	0.3
Not known	0.3	0.3	0.2	0.1	0.0	0.0
<b>Total all AQF levels</b>	<b>1.6</b>	<b>2.3</b>	<b>2.8</b>	<b>2.4</b>	<b>2.5</b>	<b>2.8</b>
<b>Duration of training contract</b>						
1 year or less	0.1	0.8	1.2	1.2	0.9	0.8
Over 1 year & up to & including 2 years	0.4	0.6	0.7	0.6	0.8	0.9
Over 2 years & up to & including 3 years	0.2	0.1	0.2	0.2	0.5	0.8
Over 3 years & up to & including 4 years	0.8	0.8	0.6	0.5	0.4	0.3
Over 4 years	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total all training</b>	<b>1.6</b>	<b>2.3</b>	<b>2.8</b>	<b>2.4</b>	<b>2.5</b>	<b>2.8</b>

Source: NCVET (2000a, 2000b, 2000c)

**Table 92: Apprenticeships and traineeships and new apprenticeships in the professional occupations by level of qualification and duration of training, 1995–2000**

Category	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Level of qualification</b>						
Certificate I & II	0.0	0.2	0.3	1.0	0.6	0.4
Certificate III	0.0	0.0	0.0	0.2	0.4	0.6
Certificate IV or higher	0.1	0.0	0.1	0.4	0.7	0.8
Not known	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total all AQF levels</b>	<b>0.1</b>	<b>0.2</b>	<b>0.4</b>	<b>1.5</b>	<b>1.6</b>	<b>1.8</b>
<b>Duration of training contract</b>						
1 year or less	0.1	0.2	0.3	0.7	0.6	0.5
Over 1 year & up to & including 2 years	0.0	0.0	0.1	0.8	0.8	0.5
Over 2 years & up to & including 3 years	0.0	0.0	0.0	0.0	0.2	0.7
Over 3 years & up to & including 4 years	0.0	0.0	0.0	0.0	0.0	0.1
Over 4 years	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total all training</b>	<b>0.1</b>	<b>0.2</b>	<b>0.4</b>	<b>1.5</b>	<b>1.6</b>	<b>1.8</b>

Source: NCVET (2000a, 2000b, 2000c)

**Table 93: Apprenticeships and traineeships and new apprenticeships in the associate professional occupations by level of qualification and duration of training, 1995–2000**

Category	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Level of qualification</b>						
Certificate I & II	0.3	0.6	1.5	2.1	1.9	1.8
Certificate III	0.7	1.4	2.0	2.3	1.9	1.8
Certificate IV or higher	0.0	0.1	0.5	2.1	3.0	3.9
Not known	0.3	0.8	0.7	0.2	0.0	0.0
<b>Total all AQF levels</b>	<b>1.3</b>	<b>2.9</b>	<b>4.8</b>	<b>6.8</b>	<b>6.8</b>	<b>7.5</b>
<b>Duration of training contract</b>						
1 year or less	0.5	1.4	2.8	4.3	4.0	3.2
Over 1 year & up to & including 2 years	0.3	0.8	1.2	1.4	1.7	2.9
Over 2 years & up to & including 3 years	0.1	0.2	0.3	0.4	0.4	0.6
Over 3 years & up to & including 4 years	0.4	0.4	0.5	0.6	0.7	0.7
Over 4 years	0.0	0.0	0.1	0.1	0.1	0.2
<b>Total all training</b>	<b>1.3</b>	<b>2.9</b>	<b>4.8</b>	<b>6.8</b>	<b>6.8</b>	<b>7.5</b>

Source: NCVER (2000a, 2000b, 2000c)

**Table 94: Apprenticeships and traineeships and new apprenticeships in the skilled trades and related occupations by level of qualification and duration of training, 1995–2000**

Category	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Level of qualification</b>						
Certificate I & II	0.7	0.9	1.2	2.5	3.7	5.0
Certificate III	110.4	114.7	115.1	115.5	122.6	131.4
Certificate IV or higher	0.1	0.2	0.2	0.2	0.4	0.7
Not known	9.0	8.7	8.2	6.0	3.8	2.3
<b>Total all AQF levels</b>	<b>120.2</b>	<b>124.5</b>	<b>124.7</b>	<b>124.1</b>	<b>130.5</b>	<b>139.4</b>
<b>Duration of training contract</b>						
1 year or less	4.1	4.0	4.3	3.9	5.7	2.5
Over 1 year & up to & including 2 years	8.9	8.5	7.7	7.5	8.2	6.7
Over 2 years & up to & including 3 years	12.3	12.5	11.9	11.4	12.6	14.0
Over 3 years & up to & including 4 years	88.9	93.5	95.6	96.9	100.8	113.7
Over 4 years	6.0	6.0	5.3	4.3	3.3	2.5
<b>Total all training</b>	<b>120.2</b>	<b>124.5</b>	<b>124.7</b>	<b>124.1</b>	<b>130.5</b>	<b>139.4</b>

Source: NCVER (2000a, 2000b, 2000c)

**Table 95: Apprenticeships and traineeships and new apprenticeships in the clerical, sales and service occupations by level of qualification and duration of training, 1995–2000**

Category	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Level of qualification</b>						
Certificate I & II	6.6	15.9	19.5	24.6	31.6	34.7
Certificate III	1.7	2.5	7.3	15.2	48.2	44.6
Certificate IV or higher	0.0	0.0	0.2	0.5	3.7	2.2
Not known	2.0	1.6	1.5	0.5	0.0	0.0
<b>Total all AQF levels</b>	<b>10.3</b>	<b>20.0</b>	<b>28.5</b>	<b>40.8</b>	<b>83.6</b>	<b>81.4</b>
<b>Duration of training contract</b>						
1 year or less	8.8	17.9	24.9	32.1	56.1	37.8
Over 1 year & up to & including 2 years	0.7	1.3	2.8	6.8	17.8	23.5
Over 2 years & up to & including 3 years	0.4	0.4	0.4	1.4	8.8	18.4
Over 3 years & up to & including 4 years	0.3	0.4	0.4	0.4	0.8	1.4
Over 4 years	0.0	0.0	0.0	0.0	0.2	0.2
<b>Total all training</b>	<b>10.3</b>	<b>20.0</b>	<b>28.5</b>	<b>40.8</b>	<b>83.6</b>	<b>81.4</b>

Source: NCVET (2000a, 2000b, 2000c)

**Table 96: Apprenticeships and traineeships and new apprenticeships in the intermediate production and transport occupations by level of qualification and duration of training, 1995–2000**

Category	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Level of qualification</b>						
Certificate I & II	0.2	0.7	1.4	2.5	3.2	3.1
Certificate III	0.1	0.6	0.4	0.6	4.0	8.7
Certificate IV or higher	0.0	0.0	0.0	0.1	0.1	0.2
Not known	0.1	0.2	0.2	0.2	0.1	0.0
<b>Total all AQF levels</b>	<b>0.5</b>	<b>1.5</b>	<b>2.1</b>	<b>3.4</b>	<b>7.4</b>	<b>11.9</b>
<b>Duration of training contract</b>						
1 year or less	0.3	0.9	1.5	2.5	4.1	2.5
Over 1 year & up to & including 2 years	0.1	0.4	0.4	0.6	2.1	4.7
Over 2 years & up to & including 3 years	0.1	0.2	0.2	0.2	0.9	3.8
Over 3 years & up to & including 4 years	0.1	0.1	0.1	0.1	0.3	0.6
Over 4 years	0.0	0.0	0.0	0.0	0.0	0.3
<b>Total all training</b>	<b>0.5</b>	<b>1.5</b>	<b>2.1</b>	<b>3.4</b>	<b>7.4</b>	<b>11.9</b>

Source: NCVET (2000a, 2000b, 2000c)

**Table 97: Apprenticeships and traineeships and new apprenticeships in the labourer and related occupations by level of qualification and duration of training, 1995–2000**

Category	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Level of qualification</b>						
Certificate I & II	1.4	4.2	7.3	11.7	12.1	11.3
Certificate III	0.3	0.3	0.6	2.2	9.9	18.9
Certificate IV or higher	0.0	0.0	0.0	0.1	0.2	0.3
Not known	0.3	0.5	0.7	0.7	0.1	0.1
<b>Total all AQF levels</b>	<b>2.0</b>	<b>5.0</b>	<b>8.7</b>	<b>14.6</b>	<b>22.3</b>	<b>30.6</b>
<b>Duration of training contract</b>						
1 year or less	1.3	3.4	5.9	9.4	10.5	7.8
Over 1 year & up to & including 2 years	0.6	1.3	2.4	4.3	7.4	11.5
Over 2 years & up to & including 3 years	0.1	0.2	0.3	0.7	4.1	10.1
Over 3 years & up to & including 4 years	0.0	0.0	0.1	0.2	0.3	1.0
Over 4 years	0.0	0.0	0.0	0.0	0.1	0.3
<b>Total all training</b>	<b>2.0</b>	<b>5.0</b>	<b>8.7</b>	<b>14.6</b>	<b>22.3</b>	<b>30.6</b>

Source: NCVET (2000a, 2000b, 2000c)

**Table 98: Full- and part-time apprenticeships, traineeships and new apprenticeships, 1995–2000**

Mode of apprenticeship or traineeship	Year at 30 June					
	1995	1996	1997	1998	1999	2000
<i>No. in training ('000)</i>						
Full-time	124.1	142.7	155.9	172.9	219.3	227.3
Part-time	2.7	3.2	3.9	10.4	30.2	45.4
Mode not known	9.1	10.6	12.1	10.2	5.3	3.0
<b>Total</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
<i>Proportion of apprenticeships &amp; traineeships (%)</i>						
Full-time	91.3	91.2	90.7	89.3	86.1	82.5
Part-time	2.0	2.0	2.3	5.4	11.8	16.5
Mode not known	6.7	6.8	7.1	5.3	2.1	1.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVET (2000a, 2000b, 2000c)

**Table 99: The type of employer of apprentices, trainees and new apprentices, 1995–2000**

Employer type	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
Private sector	109.3	125.7	137.9	153.4	204.5	222.2
Group training	17.5	20.7	23.6	28.8	34.4	38.9
Commonwealth Government	2.2	2.6	2.3	1.9	1.4	1.0
State government	4.5	4.7	4.8	6.1	9.0	7.4
Other government*	2.5	2.8	3.3	3.5	5.5	6.2
<b>Total</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
Private sector	80.4	80.3	80.2	79.2	80.3	80.6
Group training	12.9	13.2	13.7	14.9	13.5	14.1
Commonwealth Government	1.6	1.7	1.4	1.0	0.6	0.4
State government	3.3	3.0	2.8	3.1	3.5	2.7
Other government*	1.8	1.8	1.9	1.8	2.2	2.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Other government covers local government and government business enterprises.

Source: NCVET (2000a, 2000b, 2000c)

**Table 100: The gender of apprentices and trainees and new apprentices, 1995–2000**

Gender	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
Male	113.5	127.2	134.9	143.6	173.0	190.3
Female	22.5	29.4	37.0	50.0	81.8	85.4
<b>Total persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
Male	83.5	81.2	78.5	74.2	67.9	69.0
Female	16.5	18.8	21.5	25.8	32.1	31.0
<b>Total persons</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVET (2000c)

**Table 101: The number of apprentices and trainees and new apprentices by gender and occupation, 1995–2000**

Occupational group	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Males</b>						
Managers & administrators	1.5	2.0	2.2	1.9	2.0	2.1
Professionals & associate professionals	1.0	2.4	3.8	4.8	5.0	5.6
Tradespersons & related workers	105.8	109.7	109.9	109.1	114.2	121.5
Clerical, sales & service workers	3.0	7.3	9.6	13.0	28.7	27.3
Intermediate production & transport workers	0.5	1.4	1.9	3.0	6.5	10.4
Labourers & related workers	1.7	4.4	7.5	11.8	16.6	23.4
<b>Total males</b>	<b>113.5</b>	<b>127.2</b>	<b>134.9</b>	<b>143.6</b>	<b>173.0</b>	<b>190.3</b>
<b>Females</b>						
Managers & administrators	0.1	0.3	0.6	0.5	0.5	0.7
Professionals & associate professionals	0.4	0.7	1.4	3.5	3.4	3.8
Tradespersons & related workers	14.4	14.9	14.9	15.0	16.3	17.9
Clerical, sales & service workers	7.2	12.8	18.8	27.8	54.9	54.2
Intermediate production & transport workers	0.0	0.1	0.2	0.3	0.9	1.6
Labourers & related workers	0.3	0.6	1.1	2.8	5.8	7.2
<b>Total females</b>	<b>22.5</b>	<b>29.4</b>	<b>37.0</b>	<b>50.0</b>	<b>81.8</b>	<b>85.4</b>
<b>Total persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

Source: NCVET (2000c)

**Table 102: The number of apprentices and trainees and new apprentices by gender and level of qualification, 1995–2000**

Level of qualification	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Males</b>						
Certificate I & II	4.4	12.3	18.4	26.6	30.8	31.4
Certificate III	99.6	104.9	106.5	108.8	134.7	152.4
Certificate IV or higher	0.2	0.3	0.6	1.7	3.9	4.3
Not known	9.3	9.7	9.4	6.4	3.6	2.1
<b>Total males</b>	<b>113.5</b>	<b>127.2</b>	<b>134.9</b>	<b>143.6</b>	<b>173.0</b>	<b>190.3</b>
<b>Females</b>						
Certificate I & II	5.0	10.9	13.9	18.7	23.4	25.9
Certificate III	14.8	16.0	20.4	28.3	53.5	55.2
Certificate IV or higher	0.1	0.1	0.5	1.7	4.4	4.1
Not known	2.6	2.3	2.2	1.3	0.5	0.2
<b>Total females</b>	<b>22.5</b>	<b>29.4</b>	<b>37.0</b>	<b>50.0</b>	<b>81.8</b>	<b>85.4</b>
<b>Total persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

Source: NCVER (2000c)

**Table 103: The age of apprentices and trainees and new apprentices, 1995–2000**

Age	Year at 30 June					
	1995	1996	1997	1998	1999	2000
<i>No. in training ('000)</i>						
15–19 years*	72.8	75.8	77.2	82.4	95.0	101.2
20–24 years	53.2	63.5	68.6	71.3	80.3	86.4
25–39 years	8.7	14.4	20.5	28.3	50.1	55.1
40 years & over	1.2	2.8	5.6	11.5	29.3	33.0
<b>Total persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
<i>Proportion of apprentices &amp; trainees (%)</i>						
15–19 years*	53.6	48.4	44.9	42.6	37.3	36.7
20–24 years	39.2	40.6	39.9	36.8	31.5	31.3
25–39 years	6.4	9.2	11.9	14.6	19.7	20.0
40 years & over	0.8	1.8	3.2	5.9	11.5	12.0
<b>Total persons</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes a very small number aged less than 15 years.

Source: NCVER (2000c)

**Table 104: The age of commencing apprentices and trainees and new apprentices, 1995–2000**

Age	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of commencements ('000)</i>					
15–19 years*	42.4	45.5	49.8	58.1	72.6	71.3
20–24 years	13.0	18.4	24.2	30.6	43.4	39.0
25–39 years	3.8	9.7	15.8	24.3	48.5	42.4
40 years & over	0.6	2.6	5.6	12.4	31.4	25.6
<b>Total</b>	<b>60.0</b>	<b>76.1</b>	<b>95.4</b>	<b>125.3</b>	<b>195.7</b>	<b>178.4</b>
	<i>Proportion of total commencements (%)</i>					
15–19 years*	70.8	59.7	52.2	46.4	37.1	40.0
20–24 years	21.7	24.2	25.3	24.4	22.2	21.9
25–39 years	6.4	12.7	16.6	19.4	24.8	23.8
40 years & over	1.1	3.4	5.9	9.9	16.0	14.4
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes a very small number aged less than 15 years.

Source: NCVET (2000c)

**Table 105: The gender and age of apprentices and trainees and new apprentices, 1995–2000**

Gender & age	Year at 30 June					
	1995	1996	1997	1998	1999	2000
<i>No. in training ('000)</i>						
<b>Males</b>						
15–19 years*	59.9	60.9	60.5	62.8	69.6	73.0
20–24 years	45.4	53.1	56.3	56.6	59.7	64.7
25–39 years	7.3	11.3	15.2	19.1	30.3	35.0
40 years & over	0.8	1.9	3.0	5.0	13.4	17.5
<b>Total males</b>	<b>113.5</b>	<b>127.2</b>	<b>134.9</b>	<b>143.6</b>	<b>173.0</b>	<b>190.3</b>
<i>Proportion of apprentices &amp; trainees (%)</i>						
<b>Males</b>						
15–19 years*	52.8	47.9	44.8	43.8	40.2	38.4
20–24 years	40.0	41.8	41.7	39.5	34.5	34.0
25–39 years	6.5	8.9	11.2	13.3	17.5	18.4
40 years & over	0.7	1.5	2.2	3.5	7.7	9.2
<b>Total males</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<i>No. in training ('000)</i>						
<b>Females</b>						
15–19 years*	12.9	14.9	16.7	19.6	25.5	28.2
20–24 years	7.8	10.4	12.3	14.6	20.6	21.6
25–39 years	1.4	3.1	5.4	9.3	19.8	20.1
40 years & over	0.3	0.9	2.6	6.5	16.0	15.5
<b>Total females</b>	<b>22.5</b>	<b>29.4</b>	<b>37.0</b>	<b>50.0</b>	<b>81.8</b>	<b>85.4</b>
<i>Proportion of apprentices &amp; trainees (%)</i>						
<b>Females</b>						
15–19 years*	57.6	50.8	45.2	39.3	31.1	33.0
20–24 years	34.8	35.5	33.3	29.3	25.2	25.3
25–39 years	6.2	10.6	14.5	18.5	24.2	23.5
40 years & over	1.5	3.2	6.9	13.0	19.5	18.2
<b>Total females</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<i>No. in training ('000)</i>						
<b>Persons</b>						
15–19 years*	72.8	75.8	77.2	82.4	95.0	101.2
20–24 years	53.2	63.5	68.6	71.3	80.3	86.4
25–39 years	8.7	14.4	20.5	28.3	50.1	55.1
40 years & over	1.2	2.8	5.6	11.5	29.3	33.0
<b>Total persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
<i>Proportion of apprentices &amp; trainees (%)</i>						
<b>Persons</b>						
15–19 years*	53.6	48.4	44.9	42.6	37.3	36.7
20–24 years	39.2	40.6	39.9	36.8	31.5	31.3
25–39 years	6.4	9.2	11.9	14.6	19.7	20.0
40 years & over	0.8	1.8	3.2	5.9	11.5	12.0
<b>Total persons</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes a very small number aged less than 15 years.

Source: NCVER (2000c)

**Table 106: The number of apprentices and trainees and new apprentices by age and occupation, 1995–2000**

Occupational groups	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Aged 15–19 years*</b>						
Managers & administrators	0.9	1.2	1.4	1.2	1.3	1.3
Professionals & associate professionals	0.5	0.8	1.3	1.8	2.3	2.7
Tradespersons & related workers	63.2	61.2	58.9	58.7	62.3	65.2
Clerical, sales & service workers	6.9	10.2	12.2	15.7	23.2	25.7
Intermediate production & transport workers	0.3	0.6	0.7	0.9	1.2	1.3
Labourers & related workers	1.0	1.8	2.7	4.1	4.7	4.9
<b>Total</b>	<b>72.8</b>	<b>75.8</b>	<b>77.2</b>	<b>82.4</b>	<b>95.0</b>	<b>101.2</b>
<b>Aged 20–24 years</b>						
Managers & administrators	0.5	0.8	0.8	0.7	0.6	0.7
Professionals & associate professionals	0.6	1.2	1.8	2.2	2.2	2.3
Tradespersons & related workers	48.9	54.0	55.0	53.4	53.1	57.4
Clerical, sales & service workers	2.6	5.8	8.1	10.9	19.6	20.1
Intermediate production & transport workers	0.1	0.4	0.6	0.9	1.3	1.7
Labourers & related workers	0.5	1.4	2.3	3.1	3.6	4.2
<b>Total</b>	<b>53.2</b>	<b>63.5</b>	<b>68.6</b>	<b>71.3</b>	<b>80.3</b>	<b>86.4</b>
<b>Aged 25–39 years</b>						
Managers & administrators	0.1	0.3	0.5	0.4	0.4	0.5
Professionals & associate professionals	0.3	0.9	1.6	2.5	2.4	2.8
Tradespersons & related workers	7.3	8.4	9.7	10.7	12.9	14.3
Clerical, sales & service workers	0.6	3.0	5.4	8.8	23.9	22.0
Intermediate production & transport workers	0.1	0.4	0.6	1.1	2.8	5.0
Labourers & related workers	0.4	1.4	2.8	5.0	7.7	10.6
<b>Total</b>	<b>8.7</b>	<b>14.4</b>	<b>20.5</b>	<b>28.3</b>	<b>50.1</b>	<b>55.1</b>
<b>Aged 40 years &amp; over</b>						
Managers & administrators	0.0	0.1	0.1	0.1	0.1	0.3
Professionals & associate professionals	0.0	0.2	0.5	1.6	1.4	1.5
Tradespersons & related workers	0.8	0.9	1.1	1.3	2.4	2.5
Clerical, sales & service workers	0.2	1.1	2.7	5.5	16.9	13.7
Intermediate production & transport workers	0.0	0.1	0.2	0.5	2.2	4.0
Labourers & related workers	0.1	0.4	0.9	2.4	6.4	11.0
<b>Total</b>	<b>1.2</b>	<b>2.8</b>	<b>5.6</b>	<b>11.5</b>	<b>29.3</b>	<b>33.0</b>
<b>Total all ages</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\* Includes a very small number aged less than 15 years.

Source: NCVER (2000c)

**Table 107: The number of apprentices and trainees and new apprentices by age and level of qualification, 1995–2000**

Level of qualification	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Aged 15–19 years*</b>						
Certificate I & II	5.8	10.7	13.0	17.1	23.3	26.2
Certificate III	60.7	59.9	59.8	62.4	69.9	73.6
Certificate IV or higher	0.1	0.1	0.3	0.8	1.1	1.1
Not known	6.2	5.0	4.1	2.2	0.7	0.2
<b>Total</b>	<b>72.8</b>	<b>75.8</b>	<b>77.2</b>	<b>82.4</b>	<b>95.0</b>	<b>101.2</b>
<b>Aged 20–24 years</b>						
Certificate I & II	2.5	6.8	9.0	12.0	13.1	14.0
Certificate III	46.1	51.6	54.3	55.0	63.3	69.1
Certificate IV or higher	0.1	0.2	0.4	1.0	1.8	1.9
Not known	4.5	4.9	4.9	3.3	2.0	1.3
<b>Total</b>	<b>53.2</b>	<b>63.5</b>	<b>68.6</b>	<b>71.3</b>	<b>80.3</b>	<b>86.4</b>
<b>Aged 25–39 years</b>						
Certificate I & II	0.8	4.3	7.6	11.3	12.4	12.0
Certificate III	6.8	8.3	10.6	14.3	33.4	39.1
Certificate IV or higher	0.1	0.1	0.3	1.0	3.2	3.3
Not known	1.0	1.7	2.1	1.7	1.1	0.7
<b>Total</b>	<b>8.7</b>	<b>14.4</b>	<b>20.5</b>	<b>28.3</b>	<b>50.1</b>	<b>55.1</b>
<b>Aged 40 years &amp; over</b>						
Certificate I & II	0.2	1.4	2.8	4.8	5.3	5.1
Certificate III	0.7	1.0	2.3	5.5	21.5	25.6
Certificate IV or higher	0.0	0.0	0.1	0.6	2.2	2.1
Not known	0.2	0.4	0.5	0.6	0.3	0.2
<b>Total</b>	<b>1.2</b>	<b>2.8</b>	<b>5.6</b>	<b>11.5</b>	<b>29.3</b>	<b>33.0</b>
<b>Total all ages</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\* Includes a very small number aged less than 15 years.

Source: NCVER (2000c)

**Table 108: Highest level of schooling undertaken by apprentices and trainees and new apprentices, 1995–2000**

Highest level of schooling undertaken	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
Year 12	58.8	66.5	72.9	79.6	104.9	114.4
Year 11	24.1	27.2	30.5	34.9	45.6	49.7
Year 10	43.5	48.1	52.3	59.9	79.0	86.7
Year 9 or lower	4.1	6.4	8.2	10.6	17.2	21.3
Unknown	5.5	8.3	8.0	8.6	8.0	6.5
<b>Total</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
Year 12	43.3	42.5	42.4	41.1	41.2	40.4
Year 11	17.7	17.4	17.8	18.0	17.9	18.0
Year 10	32.0	30.8	30.4	30.9	31.0	31.5
Year 9 or lower	3.0	4.1	4.8	5.5	6.8	7.7
Unknown	4.0	5.3	4.7	4.5	3.1	2.4
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVER (2000c)

**Table 109: Highest level of previous education attainment of apprentices and trainees and new apprentices, 1995–2000**

Highest education level	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
Degree/postgraduate diploma	0.2	0.4	0.7	1.0	1.9	2.7
Associate diploma/undergraduate diploma	0.2	0.3	0.4	0.7	1.6	2.0
Trade/technical certificate	1.4	1.6	1.9	2.5	5.1	6.7
Other certificate	1.2	2.5	4.2	7.4	12.4	14.5
Other unspecified post-secondary	0.8	0.8	0.8	0.9	3.2	3.7
Year 12	56.8	63.7	68.8	73.5	93.4	97.5
Year 10 or 11	65.8	72.8	79.3	89.1	113.8	122.7
Year 9 or lower	4.0	6.2	7.9	10.1	15.8	19.6
Unknown	5.5	8.3	7.9	8.4	7.6	6.1
<b>Total</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
Degree/postgraduate diploma	0.1	0.3	0.4	0.5	0.7	1.0
Associate diploma/undergraduate diploma	0.1	0.2	0.2	0.3	0.6	0.7
Trade/technical certificate	1.1	1.0	1.1	1.3	2.0	2.4
Other certificate	0.9	1.6	2.4	3.8	4.9	5.3
Other unspecified post-secondary	0.6	0.5	0.5	0.5	1.3	1.3
Year 12	41.8	40.7	40.0	38.0	36.7	35.4
Year 10 or 11	48.4	46.5	46.1	46.0	44.7	44.5
Year 9 or lower	2.9	3.9	4.6	5.2	6.2	7.1
Unknown	4.0	5.3	4.6	4.3	3.0	2.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVER (2000c)

**Table 110: The State or Territory of apprentices and trainees and new apprentices, 1995–2000**

State/Territory	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
New South Wales	45.0	50.3	51.6	52.9	63.5	77.4
Victoria	32.3	38.5	42.8	47.4	69.7	80.0
Queensland	27.7	32.3	37.0	46.1	56.5	51.3
Western Australia	14.0	15.5	17.7	18.8	19.2	20.2
South Australia	9.2	10.7	12.6	17.3	26.2	28.4
Tasmania	3.8	4.5	4.9	5.5	12.1	10.8
Australian Capital Territory	2.7	3.1	3.3	3.4	5.3	5.0
Northern Territory	1.4	1.7	2.0	2.1	2.3	2.5
<b>Australia</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
New South Wales	33.1	32.1	30.0	27.3	24.9	28.1
Victoria	23.8	24.6	24.9	24.5	27.4	29.0
Queensland	20.4	20.6	21.5	23.8	22.2	18.6
Western Australia	10.3	9.9	10.3	9.7	7.6	7.3
South Australia	6.7	6.8	7.3	8.9	10.3	10.3
Tasmania	2.8	2.9	2.8	2.8	4.7	3.9
Australian Capital Territory	2.0	2.0	1.9	1.7	2.1	1.8
Northern Territory	1.0	1.1	1.2	1.1	0.9	0.9
<b>Australia</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVET (2000c)

**Table 111: The geographical location of apprentices and trainees and new apprentices, 1995–2000**

Geographic region	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
Capital city	78.2	88.6	98.2	109.0	147.3	163.7
Other metropolitan	10.9	12.5	14.0	15.0	19.1	21.5
Rural area	37.5	44.5	47.8	56.3	73.7	79.4
Remote area	4.4	5.3	6.2	7.2	7.9	7.9
Interstate	2.2	2.5	2.6	2.5	2.4	2.5
Outside Australia	0.0	0.0	0.0	0.0	0.0	0.0
Not known	2.7	3.1	3.1	3.5	4.4	0.5
<b>Total</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
Capital city	57.5	56.6	57.1	56.3	57.8	59.4
Other metropolitan	8.0	8.0	8.1	7.8	7.5	7.8
Rural area	27.6	28.4	27.8	29.1	28.9	28.8
Remote area	3.3	3.4	3.6	3.7	3.1	2.9
Interstate	1.6	1.6	1.5	1.3	0.9	0.9
Outside Australia	0.0	0.0	0.0	0.0	0.0	0.0
Not known	2.0	2.0	1.8	1.8	1.7	0.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVET (2000c)

**Table 112: Indigenous and non-Indigenous apprentices and trainees and new apprentices, 1995–2000**

Aboriginality	Year at 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
Indigenous	1.1	2.9	3.8	4.7	4.5	5.1
Non-Indigenous*	134.9	153.7	168.1	188.9	250.2	270.5
<b>Total all persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprenticeships &amp; traineeships (%)</i>					
Indigenous	0.8	1.8	2.2	2.4	1.8	1.9
Non-Indigenous*	99.2	98.2	97.8	97.6	98.2	98.1
<b>Total all persons</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes those whose Aboriginality was not stated.

Source: NCVET (2000c)

**Table 113: Indigenous and non-Indigenous apprentices and trainees and new apprentices by occupation, 1995–2000**

Occupational group	No. in training at June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Indigenous</b>						
Managers & administrators	0.0	0.1	0.1	0.1	0.0	0.0
Professionals & associate professionals	0.0	0.1	0.2	0.4	0.4	0.4
Tradespersons & related workers	0.6	0.8	0.9	1.1	1.4	1.6
Clerical, sales & service workers	0.4	1.5	1.7	2.0	1.8	1.9
Intermediate production & transport workers	0.0	0.1	0.1	0.1	0.1	0.2
Labourers & related workers	0.0	0.3	0.8	1.0	0.9	1.0
<b>Total Indigenous</b>	<b>1.1</b>	<b>2.9</b>	<b>3.8</b>	<b>4.7</b>	<b>4.5</b>	<b>5.1</b>
<b>Non-Indigenous*</b>						
Managers & administrators	1.6	2.3	2.7	2.4	2.5	2.7
Professionals & associate professionals	1.4	2.9	5.0	7.9	8.1	9.0
Tradespersons & related workers	119.6	123.8	123.8	123.0	129.1	137.8
Clerical, sales & service workers	9.8	18.6	26.7	38.8	81.8	79.7
Intermediate production & transport workers	0.5	1.5	2.0	3.3	7.3	11.7
Labourers & related workers	2.0	4.6	7.9	13.6	21.5	29.7
<b>Total non-Indigenous</b>	<b>134.9</b>	<b>153.7</b>	<b>168.1</b>	<b>188.9</b>	<b>250.2</b>	<b>270.5</b>
<b>Total all persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\* Includes those whose Aboriginality was not stated.

Source: NCVET (2000c)

**Table 114: Indigenous and non-Indigenous apprentices and trainees and new apprentices by level of qualification, 1995–2000**

Level of qualification	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Indigenous</b>						
Certificate I & II	0.3	1.5	2.1	2.8	2.0	2.1
Certificate III	0.5	1.0	1.2	1.8	2.4	2.9
Certificate IV or higher	0.0	0.0	0.0	0.0	0.1	0.1
Not known	0.3	0.3	0.5	0.1	0.0	0.0
<b>Total Indigenous</b>	<b>1.1</b>	<b>2.9</b>	<b>3.8</b>	<b>4.7</b>	<b>4.5</b>	<b>5.1</b>
<b>Non-Indigenous*</b>						
Certificate I & II	9.1	21.7	30.2	42.5	52.1	55.2
Certificate III	113.8	119.8	125.7	135.3	185.8	204.6
Certificate IV or higher	0.3	0.4	1.1	3.4	8.2	8.3
Not known	11.6	11.7	11.1	7.6	4.1	2.3
Total non-Indigenous	134.9	153.7	168.1	188.9	250.2	270.5
<b>Total all persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\* Includes those whose Aboriginality was not stated.

Source: NCVET (2000c)

**Table 115: The country of birth and language spoken at home by apprentices and trainees and new apprentices, 1995–2000**

Country of birth/ languages spoken	Year at 30 June					
	1995	1996	1997	1998	1999	2000
<i>No. in training ('000)</i>						
<b>Country of birth</b>						
English-speaking countries	105.5	124.6	140.3	167.1	228.6	253.8
Other countries	3.3	4.1	5.4	7.3	13.6	15.7
Not known	27.2	27.8	26.2	19.1	12.6	6.2
Total	135.9	156.5	171.9	193.6	254.8	275.6
<b>Main language spoken at home</b>						
English	67.8	85.9	103.1	130.5	203.9	233.5
Other languages	5.6	6.8	8.0	9.1	16.3	19.0
Not known	62.5	63.8	60.8	53.9	34.6	23.1
Total	135.9	156.5	171.9	193.6	254.8	275.6
<i>Proportion of apprentices &amp; trainees (%)</i>						
<b>Country of birth</b>						
English-speaking countries	77.6	79.6	81.6	86.3	89.7	92.1
Other countries	2.4	2.6	3.2	3.8	5.3	5.7
Not known	20.0	17.8	15.2	9.9	4.9	2.2
Total	100.0	100.0	100.0	100.0	100.0	100.0
<b>Main language spoken at home</b>						
English	49.9	54.9	60.0	67.4	80.0	84.7
Other languages	4.1	4.3	4.6	4.7	6.4	6.9
Not known	46.0	40.7	35.4	27.8	13.6	8.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Source: NCVET (2000c)

**Table 116: The number of apprentices and trainees and new apprentices of non-English-speaking background by occupation, 1995–2000**

Occupational group	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Non-English-speaking background</b>						
Managers & administrators	0.0	0.0	0.0	0.0	0.0	0.1
Professionals & associate professionals	0.1	0.2	0.3	0.5	0.5	0.5
Tradespersons & related workers	5.1	5.5	5.6	5.6	6.6	7.3
Clerical, sales & service workers	0.4	0.9	1.6	2.2	6.1	6.6
Intermediate production & transport workers	0.0	0.0	0.1	0.1	0.5	0.9
Labourers & related workers	0.0	0.1	0.4	0.7	2.6	3.6
<b>Total</b>	<b>5.6</b>	<b>6.8</b>	<b>8.0</b>	<b>9.1</b>	<b>16.3</b>	<b>19.0</b>
<b>English-speaking background*</b>						
Managers & administrators	1.6	2.3	2.7	2.4	2.4	2.7
Professionals & associate professionals	1.3	2.9	4.9	7.8	8.0	8.8
Tradespersons & related workers	115.1	119.1	119.1	118.5	124.0	132.1
Clerical, sales & service workers	9.9	19.1	26.9	38.6	77.5	74.9
Intermediate production & transport workers	0.5	1.5	2.0	3.3	6.9	11.0
Labourers & related workers	2.0	4.8	8.3	13.9	19.8	27.0
<b>Total</b>	<b>130.3</b>	<b>149.7</b>	<b>163.9</b>	<b>184.4</b>	<b>238.5</b>	<b>256.6</b>
<b>Total all persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\* Persons whose main language spoken at home is English and all persons who did not state they were of non-English-speaking background.

Source: NCVET (2000c)

**Table 117: The number of apprentices and trainees and new apprentices of non-English-speaking background by level of qualification, 1995–2000**

Level of qualification	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>Non-English-speaking background</b>						
Certificate I & II	0.3	0.9	1.3	2.1	3.5	4.2
Certificate III	4.9	5.3	6.0	6.5	12.3	14.2
Certificate IV or higher	0.0	0.0	0.1	0.2	0.4	0.5
Not known	0.5	0.5	0.6	0.3	0.1	0.1
<b>Total</b>	<b>5.6</b>	<b>6.8</b>	<b>8.0</b>	<b>9.1</b>	<b>16.3</b>	<b>19.0</b>
<b>English-speaking background*</b>						
Certificate I & II	9.1	22.3	30.9	43.2	50.6	53.1
Certificate III	109.5	115.5	120.9	130.6	175.9	193.3
Certificate IV or higher	0.3	0.4	1.0	3.2	7.9	7.9
Not known	11.5	11.5	11.0	7.4	4.0	2.3
<b>Total</b>	<b>130.3</b>	<b>149.7</b>	<b>163.9</b>	<b>184.4</b>	<b>238.5</b>	<b>256.6</b>
<b>Total all persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\* Persons whose main language spoken at home is English and all persons who did not state they were of non-English-speaking background.

Source: NCVET (2000c)

**Table 118: Apprentices and trainees and new apprentices with a disability, 1995–2000**

Disability	Year at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
	<i>No. in training ('000)</i>					
Disability	1.0	1.6	2.4	3.5	5.0	5.6
No disability*	134.9	154.9	169.5	190.0	249.7	270.0
<b>Total</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>
	<i>Proportion of apprentices &amp; trainees (%)</i>					
Disability	0.8	1.0	1.4	1.8	2.0	2.0
No disability*	99.2	99.0	98.6	98.2	98.0	98.0
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes any undisclosed disabilities/disability not stated.

Source: NCVET (2000c)

**Table 119: The number of apprentices and trainees with a disability by occupation, 1995–2000**

Occupational group	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>With a disability</b>						
Managers & administrators	0.0	0.0	0.0	0.0	0.0	0.1
Professionals & associate professionals	0.0	0.1	0.2	0.3	0.3	0.3
Tradespersons & related workers	0.8	1.1	1.3	1.7	2.1	2.7
Clerical, sales & service workers	0.2	0.3	0.5	0.9	1.7	1.4
Intermediate production & transport workers	0.0	0.1	0.1	0.1	0.2	0.3
Labourers & related workers	0.0	0.1	0.3	0.5	0.7	0.9
<b>Total</b>	<b>1.0</b>	<b>1.6</b>	<b>2.4</b>	<b>3.5</b>	<b>5.0</b>	<b>5.6</b>
<b>No disability*</b>						
Managers & administrators	1.6	2.3	2.7	2.4	2.4	2.7
Professionals & associate professionals	1.4	3.0	5.1	8.0	8.2	9.1
Tradespersons & related workers	119.4	123.4	123.4	122.4	128.4	136.7
Clerical, sales & service workers	10.1	19.8	27.9	39.9	82.0	80.1
Intermediate production & transport workers	0.5	1.5	2.0	3.3	7.2	11.6
Labourers & related workers	2.0	4.9	8.4	14.1	21.6	29.8
<b>Total</b>	<b>134.9</b>	<b>154.9</b>	<b>169.5</b>	<b>190.0</b>	<b>249.7</b>	<b>270.0</b>
<b>Total all persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\* Includes any undisclosed disability/disability not stated.

Source: NCVET (2000c)

**Table 120: The number of apprentices and trainees and new apprentices with a disability by level of qualification, 1995–2000**

Level of qualification	No. in training at 30 June ('000)					
	1995	1996	1997	1998	1999	2000
<b>With a disability</b>						
Certificate I & II	0.2	0.4	0.8	1.3	1.6	1.5
Certificate III	0.7	1.0	1.4	2.0	3.3	3.9
Certificate IV or higher	0.0	0.0	0.0	0.0	0.1	0.1
Not known	0.2	0.2	0.2	0.1	0.1	0.0
<b>Total</b>	<b>1.0</b>	<b>1.6</b>	<b>2.4</b>	<b>3.5</b>	<b>5.0</b>	<b>5.6</b>
<b>No disability*</b>						
Certificate I & II	9.2	22.9	31.5	44.0	52.6	55.8
Certificate III	113.7	119.8	125.6	135.1	184.9	203.6
Certificate IV or higher	0.3	0.4	1.1	3.4	8.2	8.3
Not known	11.7	11.8	11.4	7.6	4.1	2.3
<b>Total</b>	<b>134.9</b>	<b>154.9</b>	<b>169.5</b>	<b>190.0</b>	<b>249.7</b>	<b>270.0</b>
<b>Total all persons</b>	<b>135.9</b>	<b>156.5</b>	<b>171.9</b>	<b>193.6</b>	<b>254.8</b>	<b>275.6</b>

\* Includes any undisclosed disabilities/disability not stated.

Source: NCVET (2000c)

**Table 121: Apprenticeship and traineeship and new apprenticeship completions by level of qualification, 1995–2000**

Level of qualification	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
Certificate I	0.0	0.3	0.2	0.2	0.2	0.1
Certificate II	7.7	5.7	13.6	17.2	21.4	20.8
Certificate III	21.2	22.0	26.2	32.3	37.4	48.6
Certificate IV or higher	0.0	0.2	0.2	0.5	1.6	3.3
Not known	4.1	3.6	4.1	3.8	1.8	0.9
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
	<i>Proportion of completions (%)</i>					
Certificate I	0.0	0.8	0.5	0.4	0.3	0.1
Certificate II	23.3	18.0	30.7	31.8	34.4	28.2
Certificate III	64.3	69.5	59.1	59.8	59.9	66.0
Certificate IV or higher	0.1	0.5	0.4	0.9	2.5	4.5
Not known	12.3	11.2	9.3	7.0	2.9	1.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVET (2000c)

**Table 122: Apprenticeship and traineeship and new apprenticeship completions by occupation, 1995–2000**

Occupational group	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
Managers & administrators	0.3	0.5	1.0	1.3	1.1	0.8
Professionals	0.0	0.1	0.1	0.2	0.8	0.6
Associate professionals	0.3	0.5	1.4	2.3	3.4	2.7
Tradespersons & related workers	23.4	22.6	25.4	27.6	26.4	25.7
Advanced clerical & service workers	0.1	0.1	0.1	0.1	0.1	0.0
Intermediate clerical, sales & service workers	5.6	5.4	10.3	13.7	17.4	23.4
Elementary clerical, sales & service workers	0.2	0.2	0.8	1.0	1.4	2.5
Intermediate production & transport workers	2.1	1.5	3.0	3.8	5.5	11.8
Labourers & related workers	0.8	0.9	2.2	3.8	6.3	6.1
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
	<i>Proportion of completions (%)</i>					
Manager & administrators	1.0	1.5	2.2	2.5	1.8	1.1
Professionals	0.0	0.4	0.3	0.4	1.3	0.8
Associate professionals	0.9	1.5	3.2	4.3	5.4	3.7
Tradespersons & related workers	71.2	71.1	57.2	51.2	42.3	34.9
Advanced clerical & service workers	0.3	0.2	0.3	0.2	0.2	0.0
Intermediate clerical, sales & service workers	17.0	17.0	23.1	25.4	27.9	31.7
Elementary clerical, sales & service workers	0.7	0.6	1.9	1.8	2.3	3.4
Intermediate production & transport workers	6.3	4.9	6.8	7.1	8.8	16.0
Labourers & related workers	2.6	2.8	5.0	7.1	10.1	8.3
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVER (2000c)

**Table 123: Apprenticeship and traineeship and new apprenticeship completions in the skilled trades, 1995–2000**

Skilled trades		12 months ending 30 June					
		1995	1996	1997	1998	1999	2000
		<i>No. of completions ('000)</i>					
41	Mechanical & fabrication engineering tradespersons	4.7	4.0	4.3	4.8	4.9	5.1
42	Automotive tradespersons	3.9	3.7	4.4	4.9	4.9	4.4
43	Electrical & electronics tradespersons	3.7	3.3	3.3	3.6	3.6	3.8
44	Construction tradespersons	4.4	4.6	5.8	6.2	5.4	4.3
45	Food tradespersons	2.4	2.5	2.7	2.9	2.8	3.7
46	Skilled agricultural & horticultural workers	0.7	0.7	0.7	0.7	0.7	0.7
49	Other tradespersons & related workers	3.6	3.7	4.2	4.5	4.1	3.7
	<b>Total</b>	<b>23.4</b>	<b>22.6</b>	<b>25.4</b>	<b>27.6</b>	<b>26.4</b>	<b>25.7</b>
		<i>Proportion of completions (%)</i>					
41	Mechanical & fabrication engineering tradespersons	20.2	17.9	16.9	17.4	18.7	19.8
42	Automotive tradespersons	16.9	16.6	17.2	17.8	18.5	17.2
43	Electrical & electronics tradespersons	15.9	14.4	13.0	13.0	13.5	14.7
44	Construction tradespersons	18.8	20.6	22.8	22.5	20.6	16.9
45	Food tradespersons	10.2	11.0	10.8	10.4	10.7	14.3
46	Skilled agricultural & horticultural workers	2.8	3.1	2.7	2.6	2.5	2.7
49	Other tradespersons & related workers	15.3	16.4	16.5	16.3	15.4	14.4
	<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVER (2000c)

**Table 124: Apprentices and trainees and new apprentices completions by gender, 1995–2000**

Gender	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
Males	23.9	23.2	31.3	36.9	39.2	42.6
Females	9.0	8.5	13.0	17.1	23.1	31.1
<b>Persons</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
	<i>Proportion of completions (%)</i>					
Males	72.5	73.2	70.6	68.3	62.9	57.8
Females	27.5	26.8	29.4	31.7	37.1	42.2
<b>Persons</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVER (2000c)

**Table 125: Apprenticeship and traineeship and new apprenticeship completions by age, 1995–2000**

Age	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
15–19 years*	5.6	4.7	7.1	8.2	9.4	11.2
20–24 years	24.5	23.1	29.1	33.1	33.4	33.6
25–39 years	2.5	3.4	6.6	9.4	12.8	17.2
40 years & over	0.3	0.5	1.5	3.2	6.8	11.7
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
	<i>Proportion of total completions (%)</i>					
15–19 years*	16.9	14.9	16.0	15.2	15.1	15.2
20–24 years	74.5	72.7	65.7	61.3	53.5	45.6
25–39 years	7.6	10.8	14.8	17.5	20.5	23.4
40 years & over	1.0	1.6	3.4	5.9	10.9	15.9
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes a very small number aged less than 15 years.

Source: NCVER (2000c)

**Table 126: Apprenticeship and traineeship and new apprenticeship completions by males by age, 1995–2000**

Age	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
15–19 years*	2.1	1.9	3.2	3.9	4.5	4.9
20–24 years	19.3	18.2	22.5	25.2	24.5	23.4
25–39 years	2.2	2.7	4.6	6.4	7.9	9.6
40 years & over	0.3	0.4	0.9	1.4	2.4	4.7
<b>Total</b>	<b>23.9</b>	<b>23.2</b>	<b>31.3</b>	<b>36.9</b>	<b>39.2</b>	<b>42.6</b>
	<i>Proportion of completions (%)</i>					
15–19 years*	8.9	8.2	10.4	10.5	11.4	11.4
20–24 years	81.0	78.4	71.9	68.3	62.4	55.0
25–39 years	9.1	11.8	14.8	17.5	20.1	22.5
40 years & over	1.1	1.5	3.0	3.7	6.2	11.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes a very small number aged less than 15 years.

Source: NCVER (2000c)

**Table 127: Apprenticeship and traineeship and new apprenticeship completions by females by age, 1995–2000**

Age	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
15–19 years*	3.5	2.8	3.9	4.3	4.9	6.3
20–24 years	5.2	4.8	6.6	7.9	8.9	10.1
25–39 years	0.3	0.7	1.9	3.0	4.9	7.6
40 years & over	0.1	0.2	0.6	1.8	4.4	7.0
<b>Total</b>	<b>9.0</b>	<b>8.5</b>	<b>13.0</b>	<b>17.1</b>	<b>23.1</b>	<b>31.1</b>
	<i>Proportion of completions (%)</i>					
15–19 years*	38.2	33.2	29.7	25.4	21.3	20.4
20–24 years	57.3	56.8	51.0	46.3	38.5	32.6
25–39 years	3.8	8.1	14.7	17.6	21.2	24.6
40 years & over	1.7	1.8	4.6	10.7	19.0	22.4
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes a very small number aged less than 15 years.

Source: NCVER (2000c)

**Table 128: The highest level of previous education attainment of completing apprentices and trainees and new apprentices, 1995–2000**

Highest previous educational attainment	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
<b>Tertiary</b>						
Degree/postgraduate diploma	0.0	0.1	0.4	0.4	0.6	0.8
Associate diploma/undergraduate diploma	0.0	0.0	0.1	0.2	0.3	0.5
Trade/technician certificate	0.3	0.3	0.4	0.7	1.0	1.4
Other certificate	0.1	0.2	0.8	1.5	3.1	4.6
Unspecified post-secondary	0.1	0.1	0.1	0.2	0.5	1.5
<i>Sub-total tertiary</i>	<i>0.5</i>	<i>0.7</i>	<i>1.8</i>	<i>3.0</i>	<i>5.6</i>	<i>8.8</i>
<b>Schooling</b>						
Year 12	13.1	13.7	19.9	24.5	25.6	29.4
Year 10 or 11	17.4	15.3	18.9	22.3	25.8	30.4
Year 9 or lower	0.7	0.8	1.5	2.1	2.9	3.5
<i>Sub-total secondary schooling</i>	<i>31.2</i>	<i>29.7</i>	<i>40.4</i>	<i>48.9</i>	<i>54.3</i>	<i>63.2</i>
Unknown	1.2	1.3	2.2	2.1	2.5	1.6
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
	<i>Proportion of completions (%)</i>					
<b>Tertiary</b>						
Degree/postgraduate diploma	0.1	0.3	0.8	0.7	1.0	1.1
Associate diploma/undergraduate diploma	0.1	0.2	0.3	0.3	0.5	0.7
Trade/technician certificate	0.8	0.9	0.9	1.3	1.6	2.0
Other certificate	0.3	0.7	1.7	2.8	5.0	6.3
Unspecified post-secondary	0.2	0.3	0.3	0.3	0.7	2.0
<i>Sub-total tertiary</i>	<i>1.5</i>	<i>2.3</i>	<i>4.0</i>	<i>5.5</i>	<i>8.9</i>	<i>12.0</i>
<b>Schooling</b>						
Year 12	39.9	43.2	45.0	45.4	41.0	39.9
Year 10 or 11	52.9	48.2	42.6	41.3	41.4	41.2
Year 9 or lower	2.1	2.4	3.5	3.9	4.6	4.7
<i>Sub-total secondary schooling</i>	<i>94.8</i>	<i>93.8</i>	<i>91.0</i>	<i>90.6</i>	<i>87.0</i>	<i>85.8</i>
Unknown	3.7	4.0	5.0	3.9	4.1	2.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVET (2000c)

**Table 129: Apprenticeship and traineeship and new apprenticeship completions by State and Territory, 1995–2000**

State/Territory	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
New South Wales	12.6	11.0	14.4	15.8	16.8	16.6
Victoria	6.6	6.8	10.6	12.5	11.5	15.2
Queensland	5.7	6.1	9.2	12.8	17.8	19.9
Western Australia	3.1	3.1	3.9	5.2	6.1	6.7
South Australia	2.5	2.4	3.0	3.8	5.3	6.0
Tasmania	1.4	1.2	1.7	2.1	2.8	5.8
Australian Capital Territory	0.7	0.7	1.0	1.1	1.3	2.6
Northern Territory	0.4	0.3	0.5	0.7	0.8	0.9
<b>Australia</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
	<i>Proportion of completions (%)</i>					
New South Wales	38.4	34.7	32.4	29.3	27.0	22.6
Victoria	20.0	21.5	23.9	23.2	18.4	20.6
Queensland	17.4	19.3	20.8	23.8	28.5	27.1
Western Australia	9.3	9.8	8.8	9.6	9.7	9.1
South Australia	7.6	7.6	6.8	7.0	8.4	8.1
Tasmania	4.2	3.8	3.8	4.0	4.5	7.8
Australian Capital Territory	2.1	2.2	2.4	2.0	2.1	3.5
Northern Territory	1.1	1.1	1.1	1.3	1.3	1.2
<b>Australia</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: NCVER (2000c)

**Table 130: Apprenticeship and traineeship and new apprenticeship completions by geographic location, 1995–2000**

Geographic location	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
	<i>No. of completions ('000)</i>					
Capital city	19.0	18.0	24.0	28.9	33.0	39.6
Other metropolitan	2.8	2.6	3.7	4.9	5.2	5.6
Rural area	9.4	9.3	14.2	17.1	20.9	25.0
Remote area	1.1	1.1	1.5	1.9	2.3	2.6
Other*	0.7	0.7	1.0	1.1	1.0	0.9
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
	<i>Proportion of completions (%)</i>					
Capital city	57.6	56.7	54.0	53.6	52.9	53.7
Other metropolitan	8.4	8.2	8.3	9.0	8.3	7.6
Rural area	28.6	29.3	32.1	31.8	33.6	34.0
Remote area	3.3	3.5	3.4	3.6	3.6	3.5
Other*	2.1	2.2	2.2	2.1	1.6	1.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* Includes interstate, overseas and not stated.

Source: NCVER (2000c)

**Table 131: Apprenticeship and traineeship and new apprenticeship completions by target group, 1995–2000**

Target group	12 months ending 30 June					
	1995	1996	1997	1998	1999	2000
<i>No. of completions ('000)</i>						
<b>Aboriginality</b>						
Indigenous	0.1	0.2	0.9	1.3	1.7	1.2
Non-Indigenous <sup>(a)</sup>	32.8	31.5	43.4	52.7	60.7	72.4
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
<b>Main language spoken at home</b>						
Non-English-speaking	1.1	1.2	1.8	2.4	2.9	3.7
English speaking <sup>(b)</sup>	31.8	30.5	42.6	51.6	59.4	70.0
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
<b>Country of birth</b>						
English speaking <sup>(c)</sup>	32.3	31.1	43.2	52.3	59.8	70.3
Other countries	0.6	0.6	1.1	1.7	2.5	3.3
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>
<b>Disability</b>						
With a disability	0.1	0.2	0.3	0.6	1.2	1.3
No disability <sup>(d)</sup>	32.8	31.5	44.0	53.3	61.2	72.3
<b>Total</b>	<b>32.9</b>	<b>31.7</b>	<b>44.3</b>	<b>53.9</b>	<b>62.4</b>	<b>73.7</b>

(a) Includes those whose Aboriginality was not stated.

(b) Includes those whose language spoken at home was not stated.

(c) Includes those whose country of birth was not stated.

(d) Includes those who did not disclose any disability.

Source: NCVER (2000c)

**Table 132: Ratios of completions to commencements of apprenticeships and traineeships, 1970–1997**

Apprenticeships			Traineeships		
Year of intake	Year of completion	Ratio of completions to commencements 4 years earlier (%)	Year of intake	Year of completion	Ratio of completions to commencements 4 years earlier (%)
1970	1974	69.2	–	–	–
1971	1975	80.7	–	–	–
1972	1976	79.2	–	–	–
1973	1977	91.8	–	–	–
1974	1978	56.4	–	–	–
1975	1979	86.2	–	–	–
1976	1980	79.0	–	–	–
1977	1981	88.6	–	–	–
1978	1982	70.7	–	–	–
1979	1983	78.4	–	–	–
1980	1984	74.4	–	–	–
1981	1985	74.8	–	–	–
1982	1986	79.8	–	–	–
1983	1987	76.2	1986	1987	63.6
1984	1988	78.6	1987	1988	60.3
1985	1989	61.7	1988	1989	60.0
1986	1990	62.2	1989	1990	59.7
1987	1991	61.8	1990	1991	59.7
1988	1992	65.6	1991	1992	60.4
1989	1993	63.2	1992	1993	59.6
1990	1994	55.1	1993	1994	60.0
1991	1995	53.3	1994	1995	100.0
1992	1996	57.3	1995	1996	54.5
1993	1997	59.0	1996	1997	50.6

Source: DEIR (1986); DEYA (1980); NCVET (2000a, 2000b, 2000c)

**Table 133: Employment and labour force status at end May of all persons who gained a qualification from TAFE in the previous year and who were an apprentice or a trainee**

Category	Labour force status at end May (%)			
	1997	1998	1999	2000
<b>Employed</b>				
Employed full-time	85.6	88.3	87.6	87.5
Employed part-time	5.2	4.6	4.9	6.1
<b>Total employed</b>	<b>90.8</b>	<b>92.9</b>	<b>92.5</b>	<b>93.6</b>
<b>Unemployed</b>				
Unemployed & looking for full-time work	4.8	3.4	3.4	2.5
Unemployed & looking for part-time work	0.7	0.5	0.8	0.5
<b>Total unemployed</b>	<b>5.5</b>	<b>3.9</b>	<b>4.2</b>	<b>3.0</b>
Not in the labour force	3.6	3.3	3.2	3.5
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: Unpublished data from the NCVET student outcomes survey 2000

**Table 134: The level of qualifications of persons employed at end May 2000 who gained a qualification from a TAFE course as a new apprentice during 1999**

Level of qualification	Proportion (%)
Certificate I & II	16.9
Certificate III	76.4
Certificate IV	4.7
Diploma or advanced diploma	2.0
<b>Total</b>	<b>100.0</b>

Source: Unpublished data from the NCVET student outcomes survey 2000

**Table 135: The number of employed persons aged 15 to 64 years by occupation and highest level of qualification held, 2000**

Occupation	Highest level of qualification held ('000)									
	Higher degree & postgraduate diploma	Bachelor degree	Under-graduate diploma	Associate diploma	Skilled vocational qualification	Basic vocational qualification	Total with a post-school qualification	No post-school qualification	Still at school	Total population aged 15–64 years
Managers & administrators	43.9	115.9	38.9	27.4	80.2	41.6	347.9	235.6	0.4	583.9
Professionals	311.5	744.2	204.7	64.8	48.5	45.8	1419.7	207.8	1.9	1629.4
Associate professionals	47.6	134.5	80.6	71.3	135.9	95.1	565.0	425.5	4.1	994.6
Tradespersons & related workers	5.6	20.5	19.5	28.8	611.4	86.4	772.2	411.8	3.6	1187.6
Advanced clerical, & service workers	10.1	27.6	23.2	13.4	10.9	86.3	171.5	197.1	1.4	370.0
Intermediate clerical, sales & service workers	25.8	111.7	83.5	64.3	104.3	242.9	632.5	899.2	22.8	1554.5
Intermediate production & transport workers	2.2	25.0	13.0	12.6	108.7	53.0	214.5	563.5	12.9	790.9
Elementary clerical, sales & service workers	9.4	37.1	29.1	15.8	38.7	61.0	191.1	543.4	126.4	860.9
Labourers & related workers	2.9	25.5	11.9	11.5	80.4	59.2	191.4	605.9	55.3	852.6
<b>Total employed</b>	<b>459.0</b>	<b>1242.4</b>	<b>504.3</b>	<b>310.0</b>	<b>1218.8</b>	<b>771.3</b>	<b>4505.8</b>	<b>4089.8</b>	<b>228.8</b>	<b>8824.5</b>

**Table 136: The proportion of employed persons aged 15 to 64 years by occupation and highest level of qualification held, 2000**

Occupation	Highest level of qualification held (%)									Total population aged 15–64 years
	Higher degree & postgraduate diploma	Bachelor degree	Under-graduate diploma	Associate diploma	Skilled vocational qualification	Basic vocational qualification	Total with a post-school qualification	No post-school qualification	Still at school	
Managers & administrators	7.5	19.9	6.7	4.7	13.7	7.1	59.6	40.3	0.1	100.0
Professionals	19.1	45.7	12.6	3.9	3.0	2.8	87.1	12.8	0.1	100.0
Associate professionals	4.8	13.5	8.1	7.2	13.7	9.6	56.9	42.7	0.4	100.0
Tradespersons & related workers	0.5	1.7	1.7	2.4	51.5	7.2	65.0	34.7	0.3	100.0
Advanced clerical, & service workers	2.7	7.5	6.3	3.6	3.0	23.3	46.4	53.3	0.3	100.0
Intermediate clerical, sales & service workers	1.7	7.2	5.4	4.1	6.7	15.6	40.7	57.8	1.5	100.0
Intermediate production & transport workers	0.3	3.2	1.6	1.6	13.7	6.7	27.1	71.3	1.6	100.0
Elementary clerical, sales & service workers	1.1	4.3	3.4	1.8	4.5	7.1	22.2	63.1	14.7	100.0
Labourers & related workers	0.3	3.0	1.4	1.3	9.4	6.9	22.4	71.1	6.5	100.0
<b>Total employed</b>	<b>5.2</b>	<b>14.1</b>	<b>5.7</b>	<b>3.5</b>	<b>13.8</b>	<b>8.8</b>	<b>51.1</b>	<b>46.3</b>	<b>2.6</b>	<b>100.0</b>

**Table 137: Educational attainment of employed persons by industry, occupation (3-digit ASCO) and type of post-school qualification at 1996 census**

<b>Personal &amp; other services</b>	<b>Bachelor degree or higher</b>	<b>Under-graduate diploma</b>	<b>Associate diploma</b>	<b>Skilled vocational qualification</b>	<b>Basic vocational qualification</b>	<b>With qualifications</b>	<b>Inadequately described or not stated</b>	<b>Not applicable (no quals)</b>	<b>Total</b>
<b>ASCO code &amp; occupation</b>									
100 Managers & administrators nfd	399	96	77	280	80	932	153	990	2075
110 Generalist managers nfd	0	0	3	0	0	3	0	0	3
111 General managers & administrators	665	104	98	199	57	1123	106	661	1890
119 Miscellaneous generalist managers	17	8	17	74	7	123	17	89	229
120 Specialist managers nfd	58	15	14	15	7	109	12	53	174
121 Resource managers	635	118	109	98	77	1037	100	600	1737
122 Engineering, distribution & process managers	174	36	34	108	26	378	42	270	690
123 Sales & marketing managers	265	44	39	75	54	477	60	380	917
129 Miscellaneous specialist managers	1058	162	312	400	172	2104	344	1050	3498
131 Farmers & farm managers	33	21	23	73	32	182	32	219	433
200 Professionals nfd	276	28	14	9	19	346	22	84	452
210 Science, building & engineering profs nfd	0	0	0	0	0	0	0	0	0
211 Natural & physical science professionals	244	22	29	23	11	329	16	91	436
212 Building & engineering professionals	187	30	33	51	16	317	15	57	389
220 Business & information professionals nfd	9	8	3	3	0	23	0	12	35
221 Accountants, auditors & corporate treasurers	635	75	204	14	22	950	79	261	1290
222 Sales, marketing & advertising profs	339	45	39	53	38	514	49	406	969

**Table 137: Educational attainment of employed persons by industry, occupation (3-digit ASCO) and type of post-school qualification at 1996 census (cont.)**

<b>Personal &amp; other services</b>	<b>Bachelor degree or higher</b>	<b>Under-graduate diploma</b>	<b>Associate diploma</b>	<b>Skilled vocational qualification</b>	<b>Basic vocational qualification</b>	<b>With qualifications</b>	<b>Inadequately described or not stated</b>	<b>Not applicable (no quals)</b>	<b>Total</b>
223 Computing professionals	367	38	57	27	25	514	44	248	806
229 Miscellaneous business & information professionals	1 983	218	251	526	202	3 180	252	1 675	5 107
230 Health professionals nfd	0	0	0	0	0	0	0	0	0
231 Medical practitioners	98	5	3	6	4	116	4	18	138
232 Nursing professionals	286	351	19	3	35	694	64	51	809
238 Miscellaneous health professionals	254	31	8	12	9	314	32	57	403
240 Education professionals nfd	22	3	3	3	0	31	0	5	36
241 School teachers	577	178	66	8	12	841	42	173	1 056
242 University & vocational education teachers	383	50	28	41	14	516	35	103	654
249 Miscellaneous education professionals	825	169	79	90	45	1 208	102	590	1 900
250 Social, arts & misc. professionals nfd	6	3	0	0	0	9	0	3	12
251 Social welfare professionals	6 962	1 797	651	543	404	10 357	1 231	2 363	13 951
252 Miscellaneous social professionals	478	31	41	43	39	632	68	278	978
253 Artists & related professionals	965	468	253	404	321	2 411	513	2 464	5 388
254 Miscellaneous professionals	242	84	39	45	29	439	52	205	696
300 Associate professionals nfd	22	8	16	27	21	94	15	109	218
310 Science/engineering & related assoc. profs nfd	4	3	12	16	4	39	0	14	53
311 Medical & science technical officers	117	18	31	50	33	249	27	132	408
312 Building/engineering associate profs	27	21	71	188	15	322	25	73	420

**Table 137: Educational attainment of employed persons by industry, occupation (3-digit ASCO) and type of post-school qualification at 1996 census (cont.)**

<b>Personal &amp; other services</b>	<b>Bachelor degree or higher</b>	<b>Under-graduate diploma</b>	<b>Associate diploma</b>	<b>Skilled vocational qualification</b>	<b>Basic vocational qualification</b>	<b>With qualifications</b>	<b>Inadequately described or not stated</b>	<b>Not applicable (no quals)</b>	<b>Total</b>
320 Business & administrative assoc. profs nfd	3	0	4	0	0	7	0	12	19
321 Finance associate professionals	117	24	36	15	31	223	31	270	524
329 Misc. business/admin. assoc. profs	1 166	275	320	334	378	2 473	424	2 633	5 530
330 Managing supervisors (sales & service) nfd	3	4	3	17	3	30	0	27	57
331 Shop managers	347	167	152	735	188	1 589	383	3 370	5 342
332 Hospitality & accommodation managers	41	22	19	136	15	233	34	199	466
339 Misc. mgr supervisors (sales & service)	394	197	180	1 241	225	2 237	404	2 700	5 341
340 Health & welfare assoc. professionals nfd	0	0	3	0	0	3	0	3	6
341 Enrolled nurses	16	12	21	4	64	117	10	28	155
342 Welfare associate professionals	444	117	238	154	154	1 107	150	678	1 935
349 Misc. health & welfare assoc. profs	61	60	51	37	63	272	60	227	559
390 Other associate professionals nfd	0	0	0	0	3	3	0	0	3
391 Police officers	2 633	849	2 606	4 787	1 928	12 803	4 089	20 016	36 908
399 Miscellaneous associate professionals	113	52	83	260	57	565	165	584	1 314
400 Tradespersons & related workers nfd	4	3	3	118	5	133	14	84	231
410 Mechanical/fabrication engineering trades nfd	0	0	0	5	0	5	0	0	5
411 Mechanical engineering tradespersons	6	5	5	292	9	317	18	106	441
412 Fabrication engineering tradespersons	0	0	3	114	5	122	15	70	207
421 Automotive tradespersons	8	7	19	983	18	1 035	56	177	1 268
431 Electrical & electronic trades	22	16	20	287	18	363	28	212	603

**Table 137: Educational attainment of employed persons by industry, occupation (3-digit ASCO) and type of post-school qualification at 1996 census (cont.)**

<b>Personal &amp; other services</b>	<b>Bachelor degree or higher</b>	<b>Under-graduate diploma</b>	<b>Associate diploma</b>	<b>Skilled vocational qualification</b>	<b>Basic vocational qualification</b>	<b>With qualifications</b>	<b>Inadequately described or not stated</b>	<b>Not applicable (no quals)</b>	<b>Total</b>
440 Construction tradespersons nfd	0	0	0	3	0	3	0	3	6
441 Structural construction trades	3	3	6	233	9	254	26	188	468
442 Final finishes construction trades	0	3	0	89	7	99	19	129	247
443 Plumbers	0	0	3	127	3	133	20	119	272
451 Food tradespersons	21	16	3	66	14	120	41	261	422
460 Skilled agricultural/horticultural workers nfd	0	0	0	0	0	0	0	0	0
461 Skilled agricultural workers	10	5	4	20	7	46	11	106	163
462 Horticultural tradespersons	378	222	308	1 862	416	3 186	592	5 984	9 762
490 Other tradespersons & related workers nfd	0	0	3	36	0	39	3	5	47
491 Printing tradespersons	8	5	6	74	3	96	15	97	208
492 Wood tradespersons	3	0	0	27	0	30	8	32	70
493 Hairdressers	101	105	143	28 354	622	29 325	2 160	7 183	38 668
494 Textile, clothing & related trades	9	7	8	49	15	88	36	213	337
498 Misc. tradespersons & related workers	247	151	248	2 440	246	3 332	983	3 023	7 338
500 Advanced clerical & service workers nfd	3	0	0	0	0	3	3	3	9
511 Secretaries & personal assistants	408	296	236	127	810	1 877	905	3 789	6 571
590 Other advanced clerical service workers nfd	0	0	0	0	0	0	0	0	0
591 Advanced numerical clerks	137	76	104	52	105	474	164	1 199	1 837
599 Misc. advanced clerical & service workers	91	50	40	98	60	339	77	651	1 067

**Table 137: Educational attainment of employed persons by industry, occupation (3-digit ASCO) and type of post-school qualification at 1996 census (cont.)**

<b>Personal &amp; other services</b>	<b>Bachelor degree or higher</b>	<b>Under-graduate diploma</b>	<b>Associate diploma</b>	<b>Skilled vocational qualification</b>	<b>Basic vocational qualification</b>	<b>With qualifications</b>	<b>Inadequately described or not stated</b>	<b>Not applicable (no quals)</b>	<b>Total</b>
600 Intermediate clerical, sales & service workers nfd	7	7	3	4	5	26	11	36	73
610 Intermediate clerical workers nfd	6	0	3	3	0	12	0	12	24
611 General clerks	443	180	218	221	477	1 539	583	4 231	6 353
612 Keyboard operators	134	64	67	48	199	512	269	1 551	2
613 Receptionists	100	75	55	130	198	558	274	1 756	2 588
614 Intermediate numerical clerks	147	38	137	44	123	489	130	1 097	1 716
615 Material record & despatch clerks	46	14	31	88	32	211	50	653	914
619 Misc. intermediate clerical workers	181	45	60	113	90	489	111	869	1 469
621 Intermediate sales & related workers	64	25	37	115	47	288	65	548	901
630 Intermediate service workers nfd	0	0	4	0	3	7	0	18	25
631 Carers & aides	580	373	308	497	390	2 148	701	4 610	7 459
632 Hospitality workers	41	5	14	22	13	95	31	374	500
639 Misc. intermediate service workers	841	658	956	3 381	646	6 482	3 083	7 375	16 940
700 Intermediate production & transport workers nfd	0	0	0	33	3	36	14	136	186
710 Intermediate plant operators nfd	0	0	0	18	0	18	10	79	107
711 Mobile plant operators	3	4	0	94	13	114	39	393	546
712 Intermediate stationary plant operators	6	3	4	59	26	98	19	215	332
720 Intermediate machine operators nfd	17	7	6	65	9	104	62	468	634
721 Intermediate textile/clothing/related machine operators	6	10	5	28	9	58	26	231	315

**Table 137: Educational attainment of employed persons by industry, occupation (3-digit ASCO) and type of post-school qualification at 1996 census (cont.)**

<b>Personal &amp; other services</b>	<b>Bachelor degree or higher</b>	<b>Under-graduate diploma</b>	<b>Associate diploma</b>	<b>Skilled vocational qualification</b>	<b>Basic vocational qualification</b>	<b>With qualifications</b>	<b>Inadequately described or not stated</b>	<b>Not applicable (no quals)</b>	<b>Total</b>
729 Misc. intermediate machine operators	214	100	99	201	142	756	268	2300	3 324
731 Road & rail transport drivers	49	42	30	990	84	1 195	341	4 269	5 805
790 Other intermediate production & transport workers nfd	0	0	0	0	0	0	0	0	0
791 Intermediate mining & construction workers	0	0	0	10	7	17	7	38	62
799 Miscellaneous intermediate production & transport workers	38	18	19	111	33	219	79	726	1 024
800 Elementary clerical, sales & service workers nfd	0	0	0	6	3	9	3	49	61
811 Elementary clerks	81	32	26	43	82	264	100	854	1 218
820 Elementary sales workers nfd	3	0	0	0	3	6	3	24	33
821 Sales assistants	342	137	149	360	251	1 239	687	7 501	9 427
829 Miscellaneous elementary sales workers	82	35	36	99	47	299	100	1 128	1 527
831 Elementary clerks	378	170	156	853	256	1 813	941	8 669	11 423
900 Labourers & related workers nfd	14	6	11	74	12	117	52	617	786
911 Cleaners	192	143	95	733	201	1 364	516	5 247	7 127
920 Factory labourers nfd	0	0	0	0	0	0	0	0	0
921 Process workers	14	3	5	28	9	59	34	256	349
922 Product packagers	12	5	6	11	6	40	26	228	294
990 Other labourers & related workers nfd	0	3	3	9	5	20	9	66	95
991 Mining, construction & related labourers	3	4	4	65	14	90	32	405	527

**Table 137: Educational attainment of employed persons by industry, occupation (3-digit ASCO) and type of post-school qualification at 1996 census (cont.)**

<b>Personal &amp; other services</b>	<b>Bachelor degree or higher</b>	<b>Under-graduate diploma</b>	<b>Associate diploma</b>	<b>Skilled vocational qualification</b>	<b>Basic vocational qualification</b>	<b>With qualifications</b>	<b>Inadequately described or not stated</b>	<b>Not applicable (no quals)</b>	<b>Total</b>
992 Agricultural & horticultural labourers	142	110	107	1 211	164	1 734	385	4 719	6 838
993 Elementary food preparation & related workers	10	16	9	17	17	69	51	362	482
999 Miscellaneous labourers & related workers	130	87	79	1016	103	1415	301	2 837	4 553
099 Inadequately described	149	43	45	264	58	559	162	1 179	1 900
Not stated	56	12	9	141	23	241	168	586	995
Not applicable	–	–	–	–	–	–	–	–	–
<b>Total</b>	<b>29 940</b>	<b>9 511</b>	<b>10 350</b>	<b>57 888</b>	<b>11 114</b>	<b>118 803</b>	<b>24 240</b>	<b>134 877</b>	<b>277 920</b>

nfd=not further defined

Source: ABS (1996) *Census of population and housing*

**Table 138: Persons with one or more completed educational qualifications: Highest qualification obtained**

	Higher degree	Post-grad. diploma	Bachelor degree	Bachelor & higher	Under-grad. diploma	Associate diploma	Skilled vocational qualification	Basic vocational qualification	Total vocational	Other qualification	Total all qualifications
<b>Managers &amp; administrators</b>	<b>8.4</b>	<b>5.9</b>	<b>25.7</b>	<b>39.9</b>	<b>11.4</b>	<b>7.4</b>	<b>20.7</b>	<b>19.3</b>	<b>58.8</b>	<b>1.3</b>	<b>100.0</b>
Generalist managers	6.1	1.9	22.9	30.9	10.1	6.4	36.7	13.6	66.7	2.4	100.0
Specialist managers	12.0	8.7	33.1	53.7	12.8	8.1	12.8	11.8	45.5	0.8	100.0
Farmers, farm managers	0.9	2.6	7.8	11.3	9.0	6.6	23.9	47.9	87.4	1.3	100.0
<b>Professionals</b>	<b>10.0</b>	<b>11.1</b>	<b>48.1</b>	<b>69.2</b>	<b>16.2</b>	<b>5.7</b>	<b>3.3</b>	<b>4.9</b>	<b>30.1</b>	<b>0.7</b>	<b>100.0</b>
Science, building, engineering professionals	13.6	5.0	56.8	75.5	7.5	9.0	6.3	1.5	24.3	0.2	100.0
Business, information professionals	6.4	8.3	53.5	68.2	6.9	10.5	4.2	9.3	30.9	0.9	100.0
Health professionals	8.2	6.2	49.5	63.9	31.6	1.3	0.4	2.2	35.5	0.6	100.0
Education professionals	12.5	20.2	42.6	75.3	17.8	4.0	1.3	1.3	24.3	0.3	100.0
Social, arts & misc. professionals	10.5	9.5	42.4	62.4	12.8	5.6	7.2	10.8	36.5	1.1	100.0
<b>Associate professionals</b>	<b>2.3</b>	<b>2.3</b>	<b>17.7</b>	<b>22.2</b>	<b>10.8</b>	<b>13.2</b>	<b>25.6</b>	<b>25.3</b>	<b>75.0</b>	<b>2.7</b>	<b>100.0</b>
Science, engineering & related associate professionals	0.0	1.5	15.0	16.5	7.4	26.1	34.2	15.6	83.2	0.3	100.0
Business & administration associate professionals	4.6	3.7	27.8	36.2	12.4	10.4	15.2	24.2	62.2	1.6	100.0
Managing supervisors—sales & service	2.6	0.8	12.2	15.6	10.6	7.6	37.3	25.5	80.9	3.4	100.0
Health & welfare associate professionals	0.0	0.6	11.9	12.5	18.3	12.6	6.8	47.2	84.9	2.6	100.0

**Table 138: Persons with one or more completed educational qualifications: Highest qualification obtained (cont.)**

	Higher degree	Post-grad. diploma	Bachelor degree	Bachelor & higher	Under-grad. diploma	Associate diploma	Skilled vocational qualification	Basic vocational qualification	Total vocational	Other qualification	Total all qualifications
Other associate professionals	1.5	5.7	16.2	23.4	5.7	13.5	23.2	24.8	67.2	9.5	100.0
<b>Tradespersons &amp; related workers</b>	<b>0.0</b>	<b>0.5</b>	<b>2.4</b>	<b>2.9</b>	<b>2.4</b>	<b>5.4</b>	<b>71.8</b>	<b>16.5</b>	<b>96.2</b>	<b>0.9</b>	<b>100.0</b>
Mechanical, fabrication, engineering tradespersons	0.0	0.3	0.7	1.0	1.6	5.8	77.4	14.1	99.0	0.0	100.0
Automotive tradespersons	0.0	0.5	0.0	0.5	1.5	3.1	85.1	9.7	99.5	0.0	100.0
Electical, electronics tradespersons	0.0	0.8	3.0	3.8	1.9	8.4	68.4	16.2	94.9	1.3	100.0
Construction tradespersons	0.0	0.0	1.8	1.8	0.6	5.1	78.4	13.6	97.7	0.6	100.0
Food tradespersons	0.0	0.7	3.9	4.6	3.7	3.1	62.6	24.3	93.7	1.8	100.0
Skilled agricultural & horticultural tradespersons	0.0	3.5	12.4	15.9	6.8	3.8	37.9	33.2	81.8	2.4	100.0
Other tradespersons & related workers	0.0	0.3	2.7	3.0	5.3	4.8	63.6	21.0	94.8	2.2	100.0
<b>Advanced clerical &amp; service workers</b>	<b>0.3</b>	<b>1.3</b>	<b>10.6</b>	<b>12.3</b>	<b>13.2</b>	<b>12.3</b>	<b>5.4</b>	<b>52.1</b>	<b>83.1</b>	<b>4.7</b>	<b>100.0</b>
Secretaries & personal assistants	0.6	1.6	6.6	8.7	9.9	62.4	12.0	2.2	86.5	4.8	100.0
Other advanced clerical & service workers	0.0	1.0	16.6	17.5	18.2	12.8	10.2	36.8	78.0	4.5	100.0
<b>Intermediate clerical, sales &amp; service workers</b>	<b>0.8</b>	<b>2.3</b>	<b>13.6</b>	<b>16.7</b>	<b>11.9</b>	<b>11.1</b>	<b>14.0</b>	<b>42.0</b>	<b>78.9</b>	<b>4.4</b>	<b>100.0</b>
Intermediate clerical workers	1.1	3.1	15.0	19.2	11.4	10.5	8.7	46.4	77.0	3.9	100.0

**Table 138: Persons with one or more completed educational qualifications: Highest qualification obtained (cont.)**

	Higher degree	Post-grad. diploma	Bachelor degree	Bachelor & higher	Under-grad. diploma	Associate diploma	Skilled vocational qualification	Basic vocational qualification	Total vocational	Other qualification	Total all qualifications
Intermediate sales & related workers	0.7	0.0	8.3	9.0	8.1	9.5	41.0	31.9	90.5	0.5	100.0
Intermediate service workers	0.3	1.5	12.8	14.6	14.0	12.1	15.7	37.0	78.9	6.5	100.0
<b>Intermediate production &amp; transport workers</b>	<b>0.1</b>	<b>0.9</b>	<b>6.6</b>	<b>7.6</b>	<b>5.0</b>	<b>5.2</b>	<b>44.1</b>	<b>34.0</b>	<b>88.4</b>	<b>4.0</b>	<b>100.0</b>
Intermediate plant operators	0.3	0.0	1.2	1.5	1.1	5.4	51.4	37.9	95.7	2.8	100.0
Intermediate machine operators	0.0	3.2	23.0	26.2	11.7	4.2	28.5	27.5	71.8	1.9	100.0
Road & rail transport drivers	0.0	1.5	4.5	6.0	3.5	4.2	51.4	30.9	90.0	4.0	100.0
Other intermediate production & transport workers	0.0	0.0	7.0	7.0	7.8	6.7	35.4	36.9	86.8	6.1	100.0
<b>Elementary clerical, sales &amp; service workers</b>	<b>0.8</b>	<b>2.3</b>	<b>14.5</b>	<b>17.6</b>	<b>10.5</b>	<b>9.3</b>	<b>15.0</b>	<b>43.2</b>	<b>77.9</b>	<b>4.5</b>	<b>100.0</b>
Elementary clerks	0.0	4.6	12.1	16.6	9.1	17.9	10.4	39.4	76.9	6.5	100.0
Elementary sales workers	1.1	2.0	16.1	19.2	10.7	7.4	14.6	43.9	76.7	4.1	100.0
Elementary service workers	0.0	1.9	7.1	9.0	10.2	11.7	22.2	42.5	86.5	4.5	100.0
<b>Labourers &amp; related workers</b>	<b>0.5</b>	<b>0.7</b>	<b>5.0</b>	<b>6.2</b>	<b>8.5</b>	<b>4.4</b>	<b>31.8</b>	<b>43.0</b>	<b>87.7</b>	<b>6.1</b>	<b>100.0</b>
Cleaners	0.9	1.4	8.2	10.5	6.8	5.0	25.8	43.4	81.1	8.4	100.0
Factory labourers	0.0	0.7	7.4	8.2	8.5	3.2	29.1	46.8	87.6	4.3	100.0
Other labourers & related workers	0.5	0.3	2.1	3.0	9.3	4.8	36.1	40.7	90.9	6.1	100.0
All occupations	3.9	4.6	21.7	30.2	10.8	7.9	23.8	24.6	67.1	2.7	100.0

Source: Unpublished data from the 1997 ABS education and training experience survey

**Table 139: The labour force status of the Australian working age population by the highest level of qualification held, 2000**

Labour force status	Highest level of qualification held ('000)							Still at school	Total 15–64 population
	University higher degree & postgraduate diploma	University bachelor degree	Diploma/ associate diploma	Skilled vocational qualification	Basic vocational qualification	Total with a post-school qualification	No post-school qualifications		
Employed									
Full-time	378.7	1 005.6	601.8	1 087.3	531.9	3 605.3	2 866.2	1.9	6 473.4
Part-time	80.3	236.8	212.6	131.5	239.5	900.5	1 223.6	226.9	2 351.0
<b>Total</b>	<b>459.0</b>	<b>1 242.4</b>	<b>814.3</b>	<b>1 218.8</b>	<b>771.3</b>	<b>4 505.8</b>	<b>4 089.8</b>	<b>228.8</b>	<b>8 824.5</b>
Unemployed	13.8	38.8	42.6	52.2	59.8	207.4	383.0	51.2	641.6
Labour force	472.9	1 281.1	856.9	1 271.1	831.2	4 713.2	4 472.9	280.0	9 466.0
Not in labour force	55.1	175.5	183.9	195.9	215.7	826.0	1 957.0	403.7	3 186.7
<b>Total population aged 15–64</b>	<b>527.9</b>	<b>1 456.6</b>	<b>1 040.8</b>	<b>1 467.0</b>	<b>1 046.9</b>	<b>5 539.2</b>	<b>6 429.9</b>	<b>683.7</b>	<b>12 652.7</b>

**Table 140: The proportion in each category of the labour force by the highest level of qualification held, 2000**

Labour force status	Highest level of qualification held ('000)								
	University higher degree & postgraduate diploma	University bachelor degree	Diploma/ associate diploma	Skilled vocational qualification	Basic vocational qualification	Total with a post-school qualification	No post-school qualifications	Still at school	Total 15–64 population
Employed									
Full-time	71.7	69.0	57.8	74.1	50.8	65.1	44.6	0.3	51.2
Part-time	15.2	16.3	20.4	9.0	22.9	16.2	19.0	33.2	18.6
<b>Total</b>	<b>86.9</b>	<b>85.3</b>	<b>78.2</b>	<b>83.1</b>	<b>73.7</b>	<b>81.3</b>	<b>63.6</b>	<b>33.5</b>	<b>69.8</b>
Unemployed	2.6	2.7	4.1	3.6	5.7	3.8	6.0	7.5	5.0
Labour force	89.6	88.0	82.3	86.7	79.4	85.1	69.6	41.0	74.8
Not in labour force	10.4	12.0	17.7	13.3	20.6	14.9	30.4	59.0	25.2
<b>Total population aged 15–64 years</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Source: ABS (2000b)

**Table 141: Derived full-time unemployment rate by occupation, February 1997 and 2000**

Occupation	Males		Females		Persons	
	1997	2000	1997	2000	1997	2000
<b>Tradespersons &amp; related workers</b>						
Mechanical, fabrication, engineering tradespersons	3.94	3.54	25.84	0.00	4.16	3.51
Automotive tradespersons	5.29	4.40	32.22	42.64	5.48	4.58
Electrical, electronics tradespersons	2.22	2.66	0.00	0.00	2.16	2.63
Construction tradespersons	8.25	3.60	0.00	0.00	8.16	3.55
Food tradespersons	8.08	5.64	7.97	7.62	8.06	6.09
Skilled agricultural & horticultural tradespersons	11.68	2.96	16.33	10.31	12.06	3.57
Other tradespersons & related workers	5.19	4.48	9.93	3.11	6.32	4.12
<b>Intermediate clerical, sales &amp; service workers</b>						
Intermediate clerical workers	5.01	3.19	5.05	2.99	5.04	3.05
Intermediate sales & related workers	2.18	2.68	2.00	2.09	2.14	2.54
Intermediate service workers	11.79	4.98	10.12	6.91	10.62	6.30
<b>Elementary clerical, sales &amp; related workers</b>						
Elementary clerks	5.39	3.76	6.59	4.50	6.03	4.16
Elementary sales workers	10.27	7.48	10.18	8.52	10.22	8.08
Elementary service workers	7.82	8.90	5.38	7.20	7.25	8.47
<b>Labourers &amp; related workers</b>						
Cleaners	14.62	7.29	9.60	12.45	12.56	9.04
Factory labourers	13.44	7.33	10.05	6.11	12.40	6.95
Other labourers & related workers	17.68	12.09	16.88	12.30	17.55	12.13

Source: Experimental, based on unpublished data from the ABS labour force survey

**Table 142: Distribution of hours worked per week by occupation, 2000**

Occupation	Distribution of hours worked per week 2000						Average number of hours worked per week	
	0	0–15	16–34	35–39	40–49	50 & over	2000	1997
<b>Tradespersons &amp; related workers</b>								
Mechanical, fabrication, engineering tradespersons	6.3	0.3	11.7	18.9	40.6	22.2	40.7	41.5
Automotive tradespersons	3.3	1.8	5.2	16.6	46.2	26.9	43.3	41.4
Electrical, electronics tradespersons	6.0	2.6	9.8	18.0	45.1	18.5	39.5	41.9
Construction tradespersons	5.4	2.6	12.4	12.5	44.1	22.9	40.2	39.1
Food tradespersons	4.1	4.5	16.4	22.8	30.9	21.2	39.1	38.8
Skilled agricultural & horticultural tradespersons	3.9	9.4	17.7	15.3	38.0	15.8	36.3	35.8
Other tradespersons & related workers	4.9	6.5	11.9	22.7	35.5	18.5	38.1	38.9
<b>Intermediate clerical sales &amp; service workers</b>								
Intermediate clerical workers	5.5	10.5	24.7	25.3	28.8	5.1	31.4	31.6
Intermediate sales & related workers	3.5	2.6	9.2	13.7	41.0	30.0	42.2	40.5
Intermediate service workers	4.7	23.3	34.1	14.9	16.7	6.2	26.8	27.0
<b>Elementary clerical, sales &amp; service workers</b>								
Elementary clerks	5.3	12.4	23.8	22.9	28.2	7.4	31.2	29.2
Elementary sales workers	4.3	34.2	30.3	11.5	14.2	5.7	24.0	25.4
Elementary service workers	3.8	27.3	26.1	12.5	20.3	10.0	27.5	29.8
<b>Labourers &amp; related workers</b>								
Cleaners	4.1	38.4	27.4	12.4	13.6	4.1	22.4	24.4
Factory labourers	4.7	6.4	19.0	27.4	35.3	7.2	34.9	35.5
Other labourers & related workers	4.8	18.5	25.8	13.7	21.6	15.7	31.7	30.1
<b>All occupations</b>	<b>5.0</b>	<b>11.4</b>	<b>18.8</b>	<b>16.0</b>	<b>29.2</b>	<b>19.6</b>	<b>35.8</b>	<b>36.1</b>

Source: Unpublished data from the ABS labour force survey

**Table 143: The number and proportion of employed persons by mode of employment and educational attainment, 2000**

	Mode of employment					
	Self-employment		Wage & salary employment		Total employment	
	<i>No. ('000)</i>	<i>Proportion (%)</i>	<i>No. ('000)</i>	<i>Proportion (%)</i>	<i>No. ('000)</i>	<i>Proportion (%)</i>
Higher degree & postgraduate diploma	40.1	8.7	418.8	91.3	459.0	100.0
Bachelor degree	112.1	9.0	1130.3	91.0	1242.4	100.0
Undergraduate diploma	58.8	11.7	445.5	88.2	504.3	100.0
Associate diploma	28.5	9.2	281.4	90.8	310.0	100.0
Skilled vocational qualification	254.9	20.9	963.9	79.1	1218.8	100.0
Basic vocational qualification	89.2	11.6	682.1	88.4	771.3	100.0
Total with post-school qualifications	583.7	12.9	3922.1	87.1	4505.8	100.0
No post-school qualifications	527.5	12.9	3562.3	87.1	4089.8	100.0
Still at school	13.2	5.7	215.7	94.3	228.8	100.0
<b>Total employed</b>	<b>1124.4</b>	<b>12.8</b>	<b>7700.1</b>	<b>87.2</b>	<b>8824.5</b>	<b>100.0</b>

Source: ABS (2000b)

**Table 144: Occupations of trades qualified persons/persons who have a skilled vocational qualification, 1989, 1993 and 2000**

Occupational categories 1989 & 1993	No. employed ('000)			Proportion of employed (%)			Occupational category 2000
	1989	1993	2000	1989	1993	2000	
<b>Managers &amp; administrators, professionals &amp; para-professionals</b>	258.9	293.7	264.6	21.7	23.2	21.8	<b>Managers &amp; administrators, professionals &amp; associate professionals</b>
<b>Tradespersons</b>	625.7	649.7	611.4	52.6	51.4	50.2	<b>Tradespersons &amp; related workers</b>
<b>Clerks, salespersons &amp; personal service workers</b>	108.1	120.5	153.9	9.1	9.5	12.6	<b>Advanced, intermediate &amp; elementary clerical, sales &amp; service workers</b>
<b>Plant &amp; machine operators &amp; drivers</b>	84.7	88.3	108.7	7.1	7.0	8.9	<b>Intermediate production &amp; transport workers</b>
<b>Labourers &amp; related workers</b>	113.1	112.2	80.4	9.5	8.9	6.5	<b>Labourers &amp; related occupations</b>
<b>Total</b>	<b>1190.5</b>	<b>1264.5</b>	<b>1218.8</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>Total</b>

Source: ABS (1989, 1993, 2000b)

**Table 145: Percentage of qualified tradespersons who were currently working in the trade by year qualified in the trade and field of trade in Australia, 1989 and 1993**

<b>Year qualified in trade</b>	<b>Metal fitting &amp; machining</b>	<b>Other metal</b>	<b>Electrical &amp; electronics</b>	<b>Building</b>	<b>Vehicle</b>	<b>Food</b>	<b>Hair-dressing</b>	<b>Other</b>	<b>Total</b>
<i>1993 Education &amp; training experience survey</i>									
Before 1960	18.7	41.5	30.3	34.8	28.3	11.1	14.8	15.8	25.5
1960–1969	37.9	37.8	51.9	57.3	47.4	25.4	28.6	41.6	44.5
1970–1979	48.9	60.3	54.8	65.5	46.5	62.3	32.5	47.2	53.5
1980–1989	53.1	41.0	61.4	71.0	54.2	52.9	40.8	49.9	56.6
1990–1993	84.8	69.7	75.2	78.5	74.8	76.7	77.8	78.0	77.6
<b>Total</b>	<b>47.4</b>	<b>48.4</b>	<b>56.3</b>	<b>63.2</b>	<b>51.6</b>	<b>49.1</b>	<b>37.9</b>	<b>44.5</b>	<b>52.1</b>
<i>1989 Education &amp; training experience survey</i>									
Before 1960	35.7	44.4	47.2	51.5	30.3	38.2	18.4	29.5	40.2
1960–1969	36.7	44.4	57.2	64.4	48.6	27.8	23.4	44.8	47.2
1970–1979	63.3	51.9	72.8	69.1	57.1	46.4	34.4	54.1	61.0
1980–1989	65.7	59.9	79.6	79.8	62.8	67.4	55.4	65.6	69.2
<b>Total</b>	<b>52.1</b>	<b>51.4</b>	<b>66.5</b>	<b>67.8</b>	<b>53.8</b>	<b>48.2</b>	<b>36.8</b>	<b>52.0</b>	<b>56.9</b>

Source: Derived from ABS (1989, 1993)

**Table 146: Usual weekly earnings of wage and salary earners by type of qualification, 1997**

Most recent qualification	Usual weekly earnings							Total
	Under \$200	\$200 & under \$400	\$400 & under \$600	\$600 & under \$800	\$800 & under \$1000	\$1000 & over	Level not stated	
<i>No. of wage &amp; salary earners (%)</i>								
Higher degree & postgraduate diploma	11.1	20.0	44.7	60.4	93.9	126.9	12.3	369.3
Bachelor degree	34.4	63.7	152.1	169.5	135.5	146.8	37.4	739.4
Undergraduate diploma	25.9	63.8	101.2	77.3	52.7	40.6	15.8	377.3
Associate diploma	17.0	38.4	81.0	68.6	31.7	38.4	14.6	289.7
Skilled vocational qualifications	26.3	58.7	218.1	190.1	88.9	76.7	44.8	703.6
Basic vocational qualifications	84.2	181.7	301.0	154.6	71.3	69.7	41.3	903.8
Level not stated/inadequately described*	14.7	20.9	40.1	28.7	21.6	20.8	12.1	158.9
Total with post-school qualifications	213.6	447.2	938.2	749.2	495.6	519.9	178.3	3542.0
Without post-school qualifications	633.2	673.3	929.5	418.1	171.0	133.4	180.8	3139.3
<b>Total</b>	<b>846.8</b>	<b>1120.5</b>	<b>1867.7</b>	<b>1167.2</b>	<b>666.6</b>	<b>653.3</b>	<b>359.2</b>	<b>6681.3</b>
<i>Proportion of wage &amp; salary earners (%)</i>								
Higher degree & postgraduate diploma	3.0	5.4	12.1	16.4	25.4	34.4	3.3	100.0
Bachelor degree	4.7	8.6	20.6	22.9	18.3	19.9	5.0	100.0
Undergraduate diploma	6.9	16.9	26.8	20.5	14.0	10.8	4.2	100.0
Associate diploma	5.9	13.3	28.0	23.7	10.9	13.2	5.0	100.0
Skilled vocational qualifications	3.7	8.3	31.0	27.0	12.6	11.0	6.4	100.0
Basic vocational qualifications	9.4	20.1	33.1	17.1	7.9	7.7	4.6	100.0
Level not stated/inadequately described*	9.3	13.1	25.2	18.1	13.6	13.1	7.6	100.0
Total with post-school qualifications	6.0	12.6	26.5	21.2	14.0	14.7	5.0	100.0
Without post-school qualifications	20.2	21.4	29.6	13.3	5.4	4.3	5.8	100.0
<b>Total</b>	<b>12.7</b>	<b>16.8</b>	<b>27.9</b>	<b>17.4</b>	<b>10.0</b>	<b>9.8</b>	<b>5.4</b>	<b>100.0</b>

\* Includes other qualifications

Source: ABS (1997)

**Table 147: Usual weekly earnings of male and female wage and salary earners by type of qualification, 1997**

Most recent qualification	Usual weekly earnings							Total
	Under \$200	\$200 & under \$400	\$400 & under \$600	\$600 & under \$800	\$800 & under \$1000	\$1000 & over	Level not stated	
	<i>No. of males ('000)</i>							
Higher degree & postgraduate diploma	0.7	5.2	15.7	23.1	49.5	95.2	5.7	195.1
Bachelor degree	8.3	11.0	55.0	61.8	72.3	111.1	17.2	336.7
Undergraduate diploma	1.9	8.1	28.8	29.7	22.4	33.2	5.7	129.8
Associate diploma	2.6	10.8	28.8	42.1	27.0	32.6	5.9	149.8
Skilled vocational qualifications	9.4	27.9	197.8	180.5	87.8	75.1	41.4	619.8
Basic vocational qualifications	19.0	34.5	118.5	88.4	53.2	66.1	22.1	401.8
Level not stated/inadequately described*	3.5	6.1	17.5	17.2	14.9	19.4	3.6	82.2
Total with post-school qualifications	49.4	103.6	462.1	442.8	327.1	432.7	101.5	1915.2
Without post-school qualifications	216.8	256.0	506.8	298.2	143.8	116.7	98.7	1637.0
<b>Total</b>	<b>262.2</b>	<b>359.6</b>	<b>968.9</b>	<b>741.0</b>	<b>470.9</b>	<b>549.4</b>	<b>200.2</b>	<b>3552.2</b>
	<i>No. of females ('000)</i>							
Higher degree & postgraduate diploma	9.5	14.8	28.8	37.4	44.4	31.5	7.8	174.2
Bachelor degree	26.1	52.7	97.1	107.7	63.2	35.6	20.3	402.7
Undergraduate diploma	24.0	55.7	72.4	47.6	30.2	7.4	10.2	247.5
Associate diploma	14.4	27.6	52.3	26.4	4.7	5.8	8.8	140.0
Skilled vocational qualifications	16.9	30.8	20.3	9.6	1.1	1.5	3.6	83.8
Basic vocational qualifications	65.2	147.2	182.5	66.2	18.1	3.6	19.3	502.1
Level not stated/inadequately described*	12.1	14.9	22.6	11.5	6.8	1.8	6.9	76.6
Total with post-school qualifications	168.2	343.7	476.0	306.4	168.5	87.2	76.9	1626.9
Without post-school qualifications	416.4	417.2	422.7	119.9	27.2	16.7	82.2	1502.3
<b>Total</b>	<b>584.6</b>	<b>760.9</b>	<b>898.8</b>	<b>426.3</b>	<b>195.7</b>	<b>103.9</b>	<b>158.9</b>	<b>3129.1</b>

\* Includes other qualifications.

Source: ABS (1997)

**Table 148: All persons, mean part-time weekly earnings by qualification, age, sex, Australia, 1997–1998**

	Age					Total
	15–24	25–34	35–44	45–54	55 & over	
<i>Mean total earned income</i>						
<b>Males</b>						
Higher degree	–	–	682	-38	214	384
Postgraduate diploma	220	343	865	200	473	409
Bachelor degree	167	395	863	574	535	432
Undergraduate diploma	–	–	586	–	19	359
Associate diploma	194	614	390	224	227	304
Skilled vocational qualifications	221	272	279	338	253	272
Basic vocational qualifications	349	101	84	270	–	260
No qualifications	156	222	242	301	188	193
<b>Total</b>	<b>172</b>	<b>277</b>	<b>356</b>	<b>323</b>	<b>232</b>	<b>245</b>
<b>Females</b>						
Higher degree	–	485	440	703	119	451
Postgraduate diploma	148	289	544	634	547	468
Bachelor degree	261	342	388	362	262	348
Undergraduate diploma	350	320	337	534	586	392
Associate diploma	198	309	175	176	136	219
Skilled vocational qualifications	206	239	248	381	135	269
Basic vocational qualifications	201	237	280	314	340	259
No qualifications	149	231	241	253	218	221
<b>Total</b>	<b>168</b>	<b>257</b>	<b>284</b>	<b>307</b>	<b>241</b>	<b>260</b>
<b>Total</b>						
Higher degree	–	485	524	610	199	421
Postgraduate diploma	157	294	549	597	520	463
Bachelor degree	215	362	444	382	350	369
Undergraduate diploma	350	313	361	534	443	390
Associate diploma	195	375	223	188	204	251
Skilled vocational qualifications	212	252	258	370	216	270
Basic vocational qualifications	233	230	268	310	340	259
No qualifications	152	229	241	258	206	213
<b>Total</b>	<b>170</b>	<b>262</b>	<b>294</b>	<b>309</b>	<b>236</b>	<b>256</b>

Source: Unpublished data from the ABS survey of income and housing costs, 1997–1998

**Table 149: All persons, mean full-time weekly earnings by qualification, age, sex, Australia, 1997–1998**

	Age					Total
	15–24	25–34	35–44	45–54	55 & over	
<i>Mean total earned income</i>						
<b>Males</b>						
Higher degree	–	1302.4	1449.5	2218.6	1208.0	1623.6
Postgraduate diploma	380.0	1220.1	2674.3	1453.3	1426.0	1804.7
Bachelor degree	633.2	1148.5	1325.2	1505.0	1360.4	1256.8
Undergraduate diploma	441.2	889.1	1074.0	1456.6	855.4	1116.5
Associate diploma	623.3	942.2	1094.6	1257.8	1123.4	1058.6
Skilled vocational qualifications	562.8	809.7	901.4	1007.9	878.0	863.0
Basic vocational qualifications	506.1	782.4	967.3	1032.7	345.0	811.1
No qualifications	510.1	779.4	883.4	912.8	683.8	777.2
<b>Total</b>	<b>535.3</b>	<b>876.8</b>	<b>1048.6</b>	<b>1119.0</b>	<b>859.5</b>	<b>935.9</b>
<b>Females</b>						
Higher degree	–	691.0	905.6	1043.9	240.3	842.7
Postgraduate diploma	641.0	733.0	796.3	888.6	1871.9	840.4
Bachelor degree	607.0	710.7	747.5	910.2	851.8	705.3
Undergraduate diploma	315.2	689.8	614.3	814.1	692.1	650.3
Associate diploma	506.6	523.4	593.2	676.4	–	522.4
Skilled vocational qualifications	451.4	579.3	602.2	568.0	384.8	531.9
Basic vocational qualifications	408.6	577.1	574.3	547.6	656.4	506.8
No qualifications	378.3	562.2	548.3	558.8	426.6	479.9
<b>Total</b>	<b>444.8</b>	<b>610.9</b>	<b>651.0</b>	<b>661.2</b>	<b>568.4</b>	<b>563.4</b>
<b>Total persons</b>						
Higher degree	–	1157.1	1311.7	2055.9	1115.5	1466.7
Postgraduate diploma	563.6	1044.3	2395.0	1404.6	1518.0	1579.8
Bachelor degree	617.8	1037.1	1221.8	1436.4	1312.5	1123.4
Undergraduate diploma	345.6	821.6	966.4	1317.8	826.0	989.1
Associate diploma	555.6	832.5	1066.7	1244.6	1123.4	951.1
Skilled vocational qualifications	536.5	786.5	888.8	978.6	858.0	834.5
Basic vocational qualifications	450.2	696.4	885.1	993.8	442.1	702.8
No qualifications	467.9	737.3	848.4	868.3	652.6	724.4
<b>Total</b>	<b>501.0</b>	<b>823.1</b>	<b>1004.8</b>	<b>1071.2</b>	<b>831.0</b>	<b>870.3</b>

Source: Unpublished data from the ABS survey of income and housing costs, 1997–1998

**Table 150: All persons, mean total weekly earnings by qualification, age, sex, Australia, 1997–1998**

	Age					Total
	15–24	25–34	35–44	45–54	55 & over	
<i>Mean total earned income</i>						
<b>Males</b>						
Higher degree	–	796	986	1689	414	1003
Postgraduate diploma	269	862	2061	961	603	1238
Bachelor degree	414	830	945	1022	559	825
Undergraduate diploma	167	749	700	932	258	636
Associate diploma	402	637	695	820	309	598
Skilled vocational qualifications	415	551	576	620	201	457
Basic vocational qualifications	332	561	586	694	89	467
No qualifications	249	455	557	453	117	336
<b>Total</b>	<b>291</b>	<b>566</b>	<b>684</b>	<b>654</b>	<b>185</b>	<b>468</b>
<b>Females</b>						
Higher degree	–	523	647	880	389	614
Postgraduate diploma	351	539	599	728	544	578
Bachelor degree	513	491	471	521	162	451
Undergraduate diploma	231	419	386	584	115	363
Associate diploma	386	419	234	363	59	315
Skilled vocational qualifications	301	301	278	354	78	262
Basic vocational qualifications	237	316	235	270	72	235
No qualifications	179	240	235	235	33	157
<b>Total</b>	<b>242</b>	<b>324</b>	<b>298</b>	<b>314</b>	<b>52</b>	<b>229</b>
<b>Total</b>						
Higher degree	–	659	842	1456	407	852
Postgraduate diploma	332	664	1261	857	576	876
Bachelor degree	475	649	717	800	363	635
Undergraduate diploma	208	525	492	742	173	466
Associate diploma	392	530	512	671	232	478
Skilled vocational qualifications	377	476	494	537	174	403
Basic vocational qualifications	265	373	303	400	76	293
No qualifications	216	339	376	328	65	236
<b>Total</b>	<b>267</b>	<b>444</b>	<b>489</b>	<b>485</b>	<b>115</b>	<b>347</b>

Source: Unpublished data from the ABS survey of income and housing costs, 1997–1998

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# Appendix 3: The impact of labour market and demographic changes on apprenticeships, traineeships and new apprenticeships

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## Changes to the industrial profile of employment

Structural changes to the economy impact directly on the labour market and the demand for skills. The manufacturing sector has steadily declined in importance since the 1960s as consumer demand moves away from manufactured goods towards services. Although the value of manufacturing production grew over the 1990s, the shares of gross domestic product and manufacturing-related employment continued to fall. The service sector contributed 76% of output in 1998–99 while the manufacturing sector accounted for only 15%. The mining and agriculture, forestry and fishery sectors contributed 5% and 4% to the value of output.

Within the service sector, the property and business services industry sector provides the largest contribution to Australia's gross domestic product, followed by finance and insurance, construction and health and community services. The size of these industry sectors and their growth rates highlights the growing dominance of the service sector of the economy. The annual growth rates for the major industry sectors from 1999 to 2000 and over the decade to May 2000, are shown in table 151.

The dominance of the service sector's contribution to Australia's output is also reflected in its employment levels. The services sector accounted for 81% of the labour force in 1998–99.

The changes to Australia's industrial profile have been reflected by increases in the number of people in service sector-related occupations in training in the late 1990s. Commencements in the intermediate and elementary clerical and service areas increased by 43% and 79%, respectively, between 1995 and 1999. In particular, numbers in hospitality and retail trade have experienced strong growth over the period 1995 to 1999, with a 34% and 71% increase in commencements over the period, respectively.

## Changes in occupational mix and skill intensity

The occupational classification used by the Australian Bureau of Statistics provides a measure of the skill intensity of the Australian workforce. Occupational skills can be classified into three categories:

- ❖ high-skill occupations which comprise managers, professionals and associate professionals
- ❖ medium-skill occupations which comprise tradespersons, advanced clerical workers and intermediate clerical and service workers
- ❖ low-skill occupations which comprise intermediate production and transport workers, elementary clerical and service workers and labourers

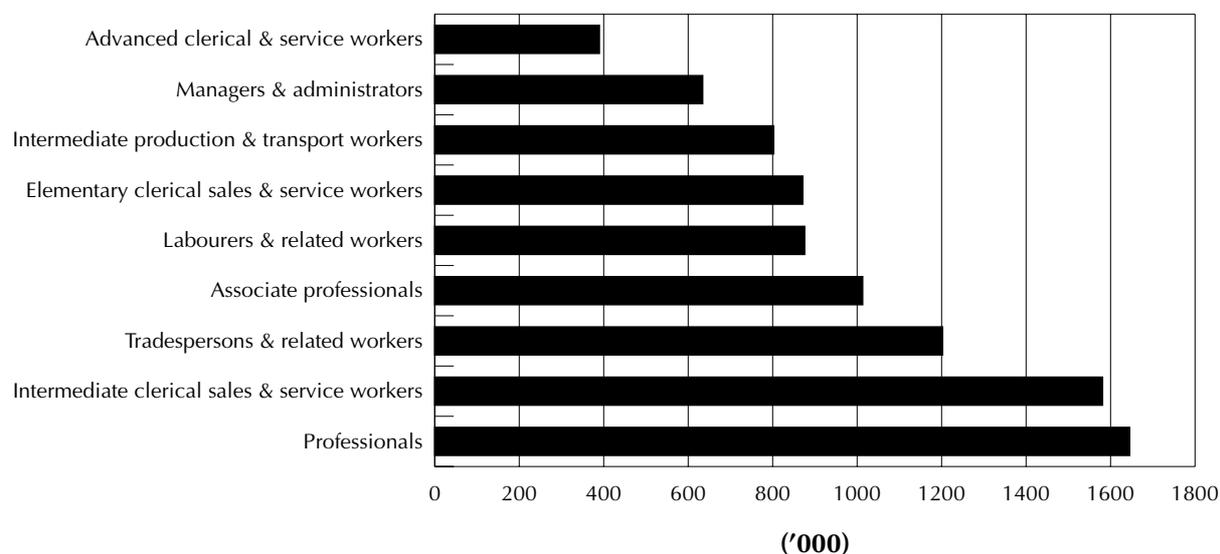
The largest occupational groups in Australia are professionals, intermediate clerical, sales and service workers, and tradespersons and related workers. Employment by occupational group in May 2000 is shown in figure 33.

**Table 151: Average annual rate of employment growth by industry, 1990–2000**

	Average annual growth rate for the ten year period May 1990 to May 2000 (%)	Average annual growth rate for the one year period May 1999 to May 2000 (%)
Agriculture, forestry & fishing	-0.2	1.3
Mining	-2.6	0.0
Manufacturing	-0.1	9.1
Electricity, gas & water supply	-4.5	1.0
Construction	2.1	8.5
Wholesale trade	-1.7	-17.5
Retail trade	1.5	-0.2
Accommodation, cafes & restaurants	3.3	7.0
Transport & storage	1.1	0.5
Communication services	1.8	13.7
Finance & insurance	-1.2	10.2
Property & business services	5.5	6.8
Government administration & defence	-0.7	-4.0
Education	1.2	-1.4
Health & community services	2.7	5.4
Cultural & recreational services	3.7	0.5
Personal & other services	2.2	5.4
All industries	1.3	3.3

Source: ABS (2000)

**Figure 33: Occupational employment share, by occupational groupings Australia, May 2000**



Source: ABS (2000)

Changes in the distribution of occupational employment provides an indication of changes in the skill level of the Australian workforce. Cully (1999) reports that between 1993 and 1999, Australia experienced relative growth in both skilled and unskilled positions. As this growth came largely at the expense of medium-skilled jobs, Cully suggests that the Australian labour market is becoming increasingly polarised between jobs that are highly skilled and highly paid and jobs that are unskilled with low pay. This trend continues the pattern of the earlier two decades identified by Gregory (1993). However, the Department of Industry, Science and Resources (2000) estimated that the proportion of

low-skilled employees in the workforce remained relatively unchanged at about 29% of the workforce throughout the period 1986 to 1999. During this time, the share of high-skilled workers increased from 33% to 36% while the proportion of medium-skilled workers fell from 38% to 35%.

These changes in skill intensity are not consistent across all occupations in a particular skill category. Changes in the distribution of tradespersons by occupational category between February 1997 and February 2000 are shown in table 152. There is a wide dispersion in the annual percentage change in the number of people in different tradesperson occupations. Although there was a 4% annual decline in the number of construction tradespersons and 'other tradespersons and related workers' over the three years to February 2000, there was a 4% and 6% annual increase in the number of automotive tradespersons and food tradespersons, respectively.

**Table 152: Distribution of persons by occupational category, February, 2000**

Tradesperson occupation	Persons ('000)	Distribution of persons by occupational category (%)		Annual percentage change in occupation 1997-2000 (%)
		1997	2000	
Mechanical, fabrication, engineering tradespersons	201.2	2.6	2.3	-0.3
Automotive tradespersons,	133.1	1.6	1.5	3.6
Electrical, electronics tradespersons	202.2	2.2	2.3	1.7
Construction tradespersons	84.4	1.1	0.9	6.1
Food tradespersons	84.4	1.1	0.9	6.1
Skilled agricultural and horticultural tradespersons	83.8	0.8	0.9	1.9
Other tradespersons and related workers	219.9	2.5	2.5	-4.2

Source: Derived from unpublished data from the ABS labour force survey

Other indicators of changes in skill levels and labour force change occurring across the economy are provided by occupational unemployment rates, the proportion of an occupational category working full time, and the distribution of hours worked per week by occupational category.

The occupational changes occurring in the economy are not reflected in the distribution of commencements of apprentices and trainees. Apprentices and trainees in the middle-level occupational categories comprising tradespersons and related workers, intermediate clerical, sales and service workers and intermediate production and transport workers accounted for 60% of commencements during 1999. Annual rates of growth in commencement numbers between 1995 and 1999 of 5%, 43%, and 77% were recorded for the tradespersons and related workers, intermediate clerical, sales and service workers and intermediate production and transport workers occupational categories, respectively.

## Changes in the manner of employment

Technological change and other changes stemming from globalisation of economies around the world are now having a profound impact on the nature of work, the way it is organised and skills it requires. These changes include the growth of non-standard employment including a shift to part-time, casual, outsourced or home-based work; downsizing; occupational change and the development of new occupations. In response to these changes new forms of work arrangements have evolved and devolved forms of work structures are in place. Changes to the nature of work are now so rapid that people cannot expect to be working in the same area, or in the same manner, over their working life.

Although much of the growth in employment between May 1999 and May 2000, was in full-time employment, part-time employment (3.9%) continued to grow at a faster rate than full-time

employment (3.3%). About 73% of the labour force was employed full time during May 2000, compared with 75% five years earlier. However, growth in part-time employment is not consistent across all industry sectors. Growth in full-time and part-time employment, and the proportion of the workforce employed full time differs by industry and occupation. Details of the shifts in full-time employment and employment growth by industry, and the proportion of the workforce employed full time by industry and occupation are provided in tables 153 and 154.

**Table 153: Shifts in full-time employment and employment growth by full-time/part-time categories and by industry, 1995, 1999 and 2000**

	Proportion of the workforce employed full time (%)			Average annual growth in employment over the five-year period May 1995 to May 2000 (%)		Average annual growth in employment over the one-year period May 1999 to May 2000 (%)	
	May 1995	May 1999	May 2000	Full-time	Part-time	Full-time	Part-time
Agriculture, forestry & fishing	75.8	75.5	75.8	2.1	2.1	1.8	-0.2
Mining	97.4	98.8	96.2	-3.4	-3.2	-2.5	233.3
Manufacturing	90.4	90.2	88.7	0.8	1.2	8.2	26.9
Electricity, gas & water supply	96.9	96.6	93.3	-4.9	-4.2	-2.2	95.7
Construction	84.9	87.3	86.2	3.5	3.2	8.2	16.4
Wholesale trade	85.4	84.6	84.3	-3.6	-3.3	-15.2	-13.5
Retail trade	58.4	55.0	54.4	0.5	1.9	-1.4	1.3
Accommodation, cafes & restaurants	54.4	50.2	53.2	2.2	2.7	14.0	0.9
Transport & storage	87.6	84.4	85.0	1.0	1.7	1.1	-3.1
Communication services	87.7	86.1	88.3	3.5	3.3	18.9	-2.3
Finance & insurance	81.2	81.5	82.2	1.2	1.0	12.3	6.8
Property & business services	75.6	75.7	76.9	5.6	5.3	8.9	2.0
Government administration & defence	88.6	86.1	87.5	-1.5	-1.3	-2.2	-14.1
Education	68.9	66.8	65.7	0.3	1.2	-2.9	1.7
Health & community services	62.0	59.7	58.7	1.7	2.8	3.9	8.3
Cultural & recreational services	60.7	63.8	57.6	1.4	2.4	-9.2	17.8
Personal & other services	72.0	69.9	70.8	2.9	3.3	7.1	2.6
All industries	75.2	73.4	73.3	1.3	1.8	3.3	3.9

Source: ABS (2000) and earlier editions

Part-time employment in the main occupational categories that train apprentices and trainees is more common in the lower-skilled occupation categories such as elementary clerical, sales and service workers and labourers and related workers. There were 23 940 and 19 000 commencements respectively in these occupational categories in 1999.

Consistent with changes that have taken place in the labour market, there has been an increase in the proportion of apprentices and trainees who are part time. While only about 9% of apprentices and trainees undertaking a contract of training at the end of 1995 were part time, almost 18% of apprentices and trainees undertaking a contract of training at the end of 1999 were part time. The increase in the proportion of part-time apprentices and trainees reflects both the opening up of the apprentice and trainee system under new apprenticeships and the increase in the proportion of apprentices and trainees who are in service sector occupations. A relatively high proportion of people in service occupations are employed part time.

**Table 154: Proportion of workforce employed full time, by occupation, 1997 and 2000**

Occupation	Proportion employed full time	
	1997	2000
<b>Tradespersons &amp; related workers</b>		
Mechanical, fabrication, engineering tradespersons	85.1	81.7
Automotive tradespersons	85.2	89.8
Electrical, electronics tradespersons	84.9	81.6
Construction tradespersons	77.9	79.5
Food tradespersons	71.5	74.9
Skilled agricultural & horticultural tradespersons	63.5	69.0
Other tradespersons & related workers	77.6	76.7
<b>Intermediate clerical, sales &amp; service workers</b>		
Intermediate clerical workers	60.5	59.3
Intermediate sales & related workers	82.0	84.7
Intermediate service workers	37.9	37.9
<b>Elementary clerical, sales &amp; service workers</b>		
Elementary clerks	51.5	58.5
Elementary sales workers	35.1	31.3
Elementary service workers	50.7	42.8
<b>Labourers &amp; related workers</b>		
Cleaners	33.1	30.1
Factory labourers	73.2	69.9
Other labourers & related workers	49.4	50.9

Source: Unpublished data from the ABS labour force survey

## Changes in the age structure of the workforce

In line with most OECD countries, in Australia the workforce is aging, with young people accounting for a declining proportion of the workforce. These demographic changes are due to longer life expectations and declining birth rates. In 1990, 39% of the working age population were over 45 years of age. By 1999 the percentage in this group aged over 45 had increased to 43%. Population projections<sup>1</sup> indicate that by 2010 the percentage will have risen to 49 and by 2020 more than half (53%) of Australia's working age population will be aged 45 years and over. The proportion of the working age population aged 15–24 years is shown in table 155. While young people aged 15–24 comprised 23% of the working age population in 1994, by 2009, this group is forecast to comprise only 20% of the working age population.

The aging of the workforce has implications for apprentice training as employers increasingly will need to look towards older people to meet their entry-level labour force requirements and reskill older workers through new apprenticeships.

The age profile of the Australian workforce at May 2000, is shown in table 156. Currently, a high percentage of workers in agriculture, utilities, education, transport, government and health and community services are over 45 years of age. Other industry sectors such as mining, communication services and personal and other services have a high proportion of their workforce aged between 35 and 44 years of age.

<sup>1</sup> Derived from the demographic module of the Econtech, MM2 model.

**Table 155: Proportion of working age population, 1994–2009**

Age group	Australia			
	1994	1999	2004 forecasts	2009 forecasts
15–19	10.7	10.5	10.1	9.9
20–24	12.1	10.7	10.2	10.0
<b>15–24</b>	<b>22.9</b>	<b>21.2</b>	<b>20.3</b>	<b>19.9</b>

**Table 156: Age profile of the Australian workforce aged 15 to 64 years by industry sector, May 2000**

Industry sector	Age in years (%)						Total
	15–19	20–24	25–34	35–44	45–54	Over 55	
Agriculture, forestry & fishing	6.1	6.1	16.3	24.6	21.9	24.9	100.0
Mining	1.1	7.9	30.7	29.9	21.6	8.7	100.0
Manufacturing	4.2	10.8	25.7	26.6	22.4	10.3	100.0
Electricity, gas & water supply	3.1	4.4	22.2	31.9	30.5	7.9	100.0
Construction	5.0	13.1	24.7	27.2	19.8	10.2	100.0
Wholesale trade	3.5	9.9	25.8	26.1	21.8	12.8	100.0
Retail trade	24.4	15.0	21.5	17.6	14.3	7.1	100.0
Accommodation, cafes & restaurants	15.3	20.7	21.8	18.6	16.8	6.9	100.0
Transport & storage	2.6	7.6	25.3	28.4	23.3	12.8	100.0
Communication services	2.4	11.0	26.9	27.0	23.0	9.8	100.0
Finance & insurance	2.6	11.8	34.3	25.1	20.6	5.7	100.0
Property & business services	3.5	12.2	28.8	24.8	20.6	10.2	100.0
Government administration & defence	1.5	7.0	25.2	30.1	26.6	9.6	100.0
Education	1.7	6.3	19.8	29.2	31.6	11.3	100.0
Health & community services	2.1	7.8	21.5	29.4	27.2	12.1	100.0
Cultural & recreational services	9.0	15.2	28.4	21.2	16.7	9.4	100.0
Personal & other services	6.7	12.6	24.6	25.3	22.9	7.9	100.0
<b>All industries</b>	<b>7.3</b>	<b>11.2</b>	<b>24.3</b>	<b>25.1</b>	<b>21.6</b>	<b>10.5</b>	<b>100.0</b>

Source: ABS (2000)

Changes in the age profile of apprentices and trainees have been evident since 1993–94 when adults were able to access traineeships for the first time. About a third of apprentices and trainees in Australia at 30 June 2000, were over 25 years of age. About 42% of female apprentices and trainees and 28% of male apprentices and trainees were over 25 years of age. About 9% of male and 18% of female apprentices and trainees were over 40 years of age. The age distribution of apprentices and trainees at 30 June 2000, is shown in table 157.

About 1.6% of all men and 0.9% of all women in the 25 to 39-year-age group were in training. About 0.6% of all men and women in the 40 to 64-year-age group were in training (see table 157).

**Table 157: Age profile of apprentices and trainees in Australia, June 2000**

Age group	Number in training <sup>(a)</sup> contracts ('000)				Proportion of age cohort (%)		
	Males	Females	Persons	Per cent	Males	Females	Persons
Age 15–19	73.0	28.2	101.2	36.7	10.6	4.3	7.5
Age 20–24	64.7	21.6	86.4	31.3	9.3	3.2	6.3
Age 25–39	35.0	20.1	55.1	20.0	1.6	0.9	1.3
Age 40–64	17.5	15.5	33.0	12.0	0.6	0.5	0.6
<b>Age 15–64</b>	<b>190.3</b>	<b>85.4</b>	<b>275.6</b>	<b>100.0</b>	<b>2.9</b>	<b>1.3</b>	<b>2.1</b>

(a) Number in training as at 30 June 2000

Source: NCVER (2000)

In recent years, older apprentices have used recognition of prior learning (RPL) and work experience to gain a reduction in the term of their indenture or training contract. Although there are differences across States, time credits are now commonplace. Since 1997 roughly 15% of new apprentices in New South Wales have received time credits (Webster et al. 2001).

Based on an analysis of TAFE enrolments in the metal trade, building trade, electrical trade, vehicle trade, engineering and related technicians, and engineering and related professional trade occupations, Webster et al. report that the incidence of RPL steadily increased between 1994 and 1998, albeit from a low base. RPL accounted for 5% of enrolments in these trade groups over the period. In the 'electrical trades' students aged between 20 and 39 were the group most likely to have received RPL. However, the percentage of people over 40 years of age receiving RPL rose from under 1% in 1994 to 7% in 1998. Small increases in the percentage of students receiving RPL who were over 40 years of age were also recorded in the building trades and vehicle trades, although students over 40 years of age were in the minority in these trade courses. In the metal trades the percentage of students over 40 receiving RPL rose from 16% in 1994 to 34% in 1998.

Webster et al. (2001) report that alternative non-apprenticeship pathways to trade occupations have been important for people as they get older. Their analysis of the 1970 cohort of the Australian Council for Educational Research youth-in-transition panel survey indicates that after 24 years of age, between 40 to 50% of workers in trade occupations comprised people who do not hold, and would not go on to gain an appropriate trade qualification in the form of an apprenticeship. At age 30, about 30% reported having no post-school qualifications. Webster et al. (2001) suggests that the high proportion of unqualified tradespersons is because of inflexibilities in the apprenticeship system. Despite recent reforms, the training system is still less suitable for older people who require more out-of-hours classes and a smaller salary sacrifice because of their work experience.

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# Appendix 4: New apprenticeship subsidy arrangements

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## Summary of the Commonwealth New Apprenticeships Incentives Programme at 1 July 2000

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Definition	New Apprenticeships are apprenticeships and traineeships, which offer more flexible part-time and full-time arrangements including part-time school-based new apprenticeships. New apprenticeships incorporate existing apprenticeships and traineeships.
CRAFT	Commonwealth incentives for apprentices who commenced before 1 January 1998 in an approved Commonwealth Rebate for Apprentices in Full Time Training (CRAFT) apprenticeship remain tax exempt.
Waiting periods	Commonwealth incentives are not payable unless the Commonwealth three-month waiting period is completed, the State/Territory training agreement is formally approved, the new apprentice is still employed and has commenced training in accordance with the approved training program.
Rural and regional new apprenticeships	The rural and regional new apprenticeships incentive is available to employers in <i>non-metropolitan</i> areas who employ a new apprentice in an occupation identified as being in skill shortage. The \$1100 (including GST) incentive is available as an additional incentive to employers of new apprentices whose new apprenticeship progresses from certificate II training to certificate III or IV training (conditions apply).
Commonwealth incentives	<p>The following summarises the Commonwealth new apprenticeships incentives regime for all new apprentices (apprentices and trainees) effective at 1 July 2000. Payment of incentives will be subject to employers and their new apprentices satisfying eligibility criteria as set out in the Commonwealth New Apprenticeships Incentives Programme Guidelines. Commonwealth new apprenticeships incentives may be subject to GST depending on the date when eligibility for incentive is established.</p> <p>The following Commonwealth incentives apply (amounts inclusive of GST):</p> <ul style="list-style-type: none"><li>❖ \$1375 incentive for out-of-trade certificate II, III or IV commencements</li><li>❖ \$825 recommencement incentive for out-of-trade certificate III or IV apprentices or trainees paid to all employers except 'not-for-profit' group training companies</li><li>❖ \$550 recommencement incentive for 'not-for-profit' group training companies for re-establishing out-of-trade certificate III or IV apprentices and trainees</li><li>❖ \$1375 progression incentive when a new apprentice progresses from certificate II to certificate III or IV training</li></ul>

- ❖ \$1100 additional progression incentive for rural and regional new apprenticeships where the new apprentice progresses from certificate II training to certificate III or IV training in an occupation identified in a skill shortage in a non-metropolitan area from 1 January 1999
- ❖ \$1650 completion incentive for all employers **except 'not-for-profit'** group training companies for certificate III or IV commencements
- ❖ \$1650 completion incentive for all employers **including 'not-for-profit'** group training companies who *recommence* an out-of-trade certificate III or IV apprentice or trainee
- ❖ \$1100 additional incentive for group training companies for each certificate II, III or IV trainee commencement
- ❖ \$1100 incentive for commencement of a female in non-traditional certificate II, III or IV training
- ❖ \$3300 incentive for certificate II eligible sporting trainees
- ❖ \$3300 incentive for eligible rural trainees who are employed by an employer who has a current 'exceptional circumstances drought area' certificate

Disabled assistance

The Commonwealth provides assistance to employers of disabled new apprentices. Assistance includes disabled apprentice wage support (DAWS), workplace modifications, tutorial assistance and mentor/interpreter assistance.

Living away from home allowance (LAFHA)

Employees should be aware that new apprentices may be eligible for LAFHA of \$72.80 per week for the first 12 months of the new apprenticeship if he/she had to move away from his/her parental/guardian home to commence or remain in a new apprenticeship or is homeless.

## Guide to Commonwealth New Apprenticeships Incentives Payments at 1 July 2000 (amounts inclusive of GST)

Payment	Commonwealth New Apprenticeships Incentives	
	Certificate II \$	Certificate III or IV \$
Commencement	1375	1375
Recommencement for employers who recommence an out-of-trade certificate III or IV new apprentice, except for 'not-for-profit' group training companies	Nil	825
Recommencement for 'not-for-profit' group training companies	Nil	550
Progression for employers who progress a new apprentice from certificate II training to certificate III or IV training	Nil	1375
Rural and regional progression for employers and registered group training companies who progress a new apprentice from certificate II training to certificate III or IV training in an occupation or trade identified as a skill shortage in a non-metropolitan area—applicable from 1 January 1999.	Nil	1100
Completion for employers except for 'not-for-profit' group training companies	Nil	1650
Completion for all employers including 'not-for-profit' group training companies who <i>recommence</i> an out-of-trade certificate III or IV new apprentice	Nil	1650
Group training companies additional incentive for traineeship commencement	1100	1100
Additional incentive for women in a non-traditional traineeship or apprenticeship	1100	1100
Additional incentive for sporting operations traineeship	3300	Nil
Additional incentive for exceptional circumstances 'declared drought area' certificate	3300	Nil

To be eligible to receive Commonwealth new apprenticeships incentives, both the employer and the new apprentice must satisfy the relevant eligibility criteria as set out in the Commonwealth New Apprenticeships Incentives Guidelines.

Source: Reprint of Department of Education, Training and Youth Affairs (2000) *Summary of the Commonwealth New Apprenticeships Incentive Programme*, DETYA, Canberra