

**NEW ISSUE**



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# **PERSONS AGED 50-69 YEARS CEASING FULL—TIME WORK**

## **AUSTRALIA MAY 1980**

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**NOON 27 AUGUST 1981**

**PERSONS AGED 50-69 YEARS CEASING FULL-TIME WORK  
AUSTRALIA  
MAY 1980**

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## EXPLANATORY NOTES

### Introduction

In May 1980 a survey, based on the monthly population survey, was conducted throughout Australia in order to obtain information about persons aged 50 to 69 years who had permanently ceased full-time work and about the retirement intentions of other persons in this age group. Data collected included the age, or expected age, at retirement; superannuation or life insurance coverage and payments derived from these sources; housing arrangements; and main source of income after retirement.

2. A preliminary publication containing a summary of the survey results was issued on 27 February 1981 (6237.0). The present publication provides estimates in greater detail.

3. The survey was based on a multi-stage area sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.) and covered about two-thirds of one per cent of the population of Australia. The information was obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews were conducted during the two weeks beginning on Monday, 12 May 1980.

### Scope

4. The survey included all persons aged 50 to 69 years except:

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

### Definitions

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

6. *Main English-speaking countries* comprise the United Kingdom, Ireland, Canada, the United States of America, South Africa and New Zealand.

7. A person who had retired from the full-time labour force was a person who had worked in a job for 35 hours or more per week and who had permanently ceased full-time labour force activity (i.e. working full-time or looking for full-time work).

### Interpretation of results

8. Because of the limited age range of respondents for whom information was obtained, care should be taken when interpreting data relating to persons who had permanently ceased full-time work.

To avoid problems of recall, information relating to circumstances at the time of ceasing full-time work was obtained only in respect of persons aged 50-69 years who had ceased full-time work in the previous 20 years.

### Reliability of the estimates

9. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. More information on this topic is given in the Technical note.

### Related publications

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

*The Labour Force, Australia* (6203.0)—issued monthly

*Survey of Superannuation, February 1974* (6319.0)

*Employment Benefits, Australia, February to May 1979* (6334.0)

11. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0) which is available free of charge from any ABS office.

### Symbols and other usages

- \* Subject to sampling variability too high for most practical uses. See paragraph 9 above
- .. Not applicable
- n.e.c. Not elsewhere classified

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

TABLE 1. PERSONS AGED 50 TO 69 YEARS (a): FULL-TIME WORK STATUS, INTENDED AGE AT RETIREMENT FROM THE FULL-TIME LABOUR FORCE AND AGE AT MAY 1980

	Age (years)								Total	
	50-54		55-59		60-64		65-69			
	('000)	(%)	('000)	(%)	('000)	(%)	('000)	(%)	('000)	(%)
MALES										
Had never worked full-time	*	*	*	*	*	*	*	*	4.9	0.4
Had retired	30.6	7.8	58.1	16.5	132.2	47.6	199.1	86.2	420.0	33.5
More than 20 years ago	*	*	*	*	*	*	*	*	10.2	0.8
20 years ago or less	29.0	7.4	55.7	15.8	129.5	46.6	195.4	84.6	409.7	32.7
Age at retirement (years)—										
Less than 50	17.9	4.6	6.8	1.9	*	*	*	*	28.0	2.2
50-54	11.1	2.8	23.9	6.8	7.1	2.6	4.8	2.1	46.9	3.7
55-59	..	..	25.1	7.1	44.7	16.1	18.0	7.8	87.8	7.0
60-64	..	..	..	..	75.0	27.0	85.2	36.9	160.2	12.8
65-69	..	..	..	..	..	..	86.6	37.5	86.6	6.9
Had not retired (b)	358.8	91.9	293.6	83.1	144.0	51.8	31.1	13.4	827.5	66.1
Intend to retire	336.6	86.2	270.7	76.7	134.9	48.5	22.9	9.9	765.1	61.1
Intended age at retirement (years)—										
50-54	*	*	..	..	..	..	..	..	*	*
55-59	10.7	2.7	*	*	..	..	..	..	14.7	1.2
60-64	74.0	19.0	92.6	26.2	15.3	5.5	..	..	181.9	14.5
65-69	161.7	41.4	113.7	32.2	87.0	31.3	7.2	3.1	369.6	29.5
70 or more	4.7	1.2	*	*	*	*	4.8	2.1	17.1	1.4
Not known	84.0	21.5	56.0	15.9	29.3	10.5	10.9	4.7	180.2	14.4
Claimed that they would never retire	22.2	5.7	22.9	6.5	9.1	3.3	8.2	3.5	62.4	5.0
Total	390.4	100.0	353.1	100.0	277.9	100.0	231.1	100.0	1,252.5	100.0
FEMALES										
Had never worked full-time	29.8	8.0	33.2	9.2	45.8	15.2	46.0	17.0	154.8	11.9
Had retired	236.9	63.6	259.8	72.3	231.8	76.7	219.4	81.2	947.9	72.7
More than 20 years ago	129.0	34.6	139.5	38.8	134.7	44.6	136.3	50.5	539.5	41.4
20 years ago or less	107.9	29.0	120.4	33.5	97.1	32.1	83.1	30.8	408.5	31.3
Age at retirement (years)—										
Less than 50	82.0	22.0	46.0	12.8	16.7	5.5	4.7	1.7	149.5	11.5
50-54	25.5	6.8	42.7	11.9	25.5	8.4	10.7	4.0	104.3	8.0
55-59	..	..	31.4	8.7	35.0	11.6	24.1	8.9	90.6	6.9
60-64	..	..	..	..	19.9	6.6	35.7	13.2	55.7	4.3
65-69	..	..	..	..	..	..	7.9	2.9	7.9	0.6
Had not retired (b)	105.9	28.4	66.2	18.4	24.5	8.1	4.8	1.8	201.3	15.4
Intend to retire	99.8	26.8	61.9	17.2	21.1	7.0	*	*	185.5	14.2
Intended age at retirement (years)—										
50-54	7.8	2.1	..	..	..	..	..	..	7.8	0.6
55-59	19.5	5.2	8.5	2.4	..	..	..	..	28.0	2.1
60-64	30.8	8.3	27.1	7.5	5.5	1.8	..	..	63.5	4.9
65-69	6.5	1.7	7.3	2.0	5.1	1.7	*	*	19.2	1.5
70 or more	*	*	*	*	*	*	*	*	*	*
Not known	34.7	9.3	18.5	5.2	9.2	3.0	*	*	64.1	4.9
Claimed that they would never retire	6.1	1.6	*	*	*	*	*	*	15.8	1.2
Total	372.6	100.0	359.2	100.0	302.1	100.0	270.1	100.0	1,304.0	100.0
PERSONS										
Had never worked full-time	30.8	4.0	34.6	4.9	47.6	8.2	46.8	9.3	159.8	6.3
Had retired	267.5	35.1	318.0	44.7	364.0	62.7	418.5	83.5	1,367.9	53.5
More than 20 years ago	130.6	17.1	141.9	19.9	137.4	23.7	139.9	27.9	549.7	21.5
20 years ago or less	136.9	17.9	176.0	24.7	226.6	39.1	278.6	55.6	818.2	32.0
Age at retirement (years)—										
Less than 50	99.9	13.1	52.8	7.4	19.4	3.3	5.3	1.1	177.4	6.9
50-54	36.0	4.8	66.6	9.4	32.6	5.6	15.5	3.1	151.2	5.9
55-59	..	..	56.4	7.9	79.7	13.7	42.1	8.4	178.4	7.0
60-64	..	..	..	..	95.0	16.4	120.9	24.1	215.9	8.4
65-69	..	..	..	..	..	..	94.5	18.9	94.5	3.7
Had not retired (b)	464.9	60.9	359.7	50.5	168.5	29.0	35.9	7.2	1,028.8	40.2
Intend to retire	436.4	57.2	332.6	46.7	156.0	26.9	25.6	5.1	950.6	37.2
Intended age at retirement (years)—										
50-54	9.5	1.2	..	..	..	..	..	..	9.5	0.4
55-59	30.2	4.0	12.5	1.8	..	..	..	..	42.7	1.7
60-64	104.8	13.7	119.7	16.8	20.8	3.6	..	..	245.3	9.6
65-69	168.1	22.0	121.0	17.0	92.1	15.9	7.5	1.5	388.8	15.2
70 or more	5.1	0.7	4.9	0.7	4.6	0.8	5.5	1.1	20.0	0.8
Not known	118.6	15.5	74.5	10.5	38.5	6.6	12.6	2.5	244.3	9.6
Claimed that they would never retire	28.3	3.7	27.1	3.8	2.5	2.2	10.3	2.1	78.2	3.1
Total	763.0	100.0	712.2	100.0	580.1	100.0	501.1	100.0	2,556.5	100.0

(a) Civilian non-institutional population, excluding persons permanently unable to work. (b) Comprises persons working full-time at the time of the survey and others who intend to do so.

**TABLE 2. MALES AGED 50 TO 69 YEARS (a) : FULL-TIME WORK STATUS  
AND AGE AT MAY 1980  
( ' 000)**

	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>A. C. T.</i>	<i>Australia (b)</i>
<b>AGE 50 TO 54 YEARS</b>								
Had retired from the full-time labour force	11.4	7.3	6.1	*	2.5	*	*	30.6
20 years ago or less	10.4	6.6	6.1	*	2.5	*	*	29.0
Had not retired (c)	130.4	98.6	50.7	33.5	29.4	9.6	4.6	358.8
Intended to retire	122.2	92.5	46.4	32.1	27.7	8.9	4.5	336.6
Claimed that they would never retire	8.2	5.9	4.3	*	*	*	*	22.2
<i>Total (d)</i>	<i>142.0</i>	<i>105.9</i>	<i>56.9</i>	<i>35.7</i>	<i>32.1</i>	<i>10.6</i>	<i>4.6</i>	<i>390.4</i>
<b>AGE 55 TO 59 YEARS</b>								
Had retired from the full-time labour force	21.3	14.0	9.6	5.9	4.9	1.7	*	58.1
20 years ago or less	20.6	12.9	9.6	5.8	4.5	1.6	*	55.7
Had not retired (c)	107.9	80.0	44.0	26.3	22.7	7.8	3.9	293.6
Intended to retire	97.8	74.1	40.4	25.0	21.0	7.5	3.9	270.7
Claimed that they would never retire	10.1	5.9	3.6	*	*	*	*	22.9
<i>Total (d)</i>	<i>129.7</i>	<i>94.3</i>	<i>53.8</i>	<i>32.2</i>	<i>27.7</i>	<i>9.5</i>	<i>4.0</i>	<i>353.1</i>
<b>AGE 60 TO 64 YEARS</b>								
Had retired from the full-time labour force	49.9	29.7	23.4	13.2	11.0	3.5	*	132.2
20 years ago or less	48.7	29.7	22.8	12.7	10.9	3.3	*	129.5
Had not retired (c)	52.8	42.0	21.0	13.2	9.6	3.9	*	144.0
Intended to retire	50.5	38.1	19.9	12.3	9.0	3.6	*	134.9
Claimed that they would never retire	*	*	*	*	*	*	*	9.1
<i>Total (d)</i>	<i>102.9</i>	<i>72.2</i>	<i>44.9</i>	<i>26.3</i>	<i>20.6</i>	<i>7.3</i>	<i>2.5</i>	<i>277.9</i>
<b>AGE 65 TO 69 YEARS</b>								
Had retired from the full-time labour force	71.6	51.2	32.5	19.6	16.4	5.9	*	199.1
20 years ago or less	70.5	50.7	31.1	19.5	16.0	5.9	*	195.4
Had not retired (c)	11.8	8.2	6.0	*	*	*	*	31.1
Intended to retire	8.0	6.5	4.3	*	*	*	*	22.9
Claimed that they would never retire	*	*	*	*	*	*	*	8.2
<i>Total (d)</i>	<i>83.3</i>	<i>59.9</i>	<i>38.5</i>	<i>21.8</i>	<i>18.4</i>	<i>6.7</i>	<i>*</i>	<i>231.1</i>
<b>TOTAL</b>								
Had retired from the full-time labour force	154.1	102.2	71.7	40.6	34.9	12.1	2.6	420.0
20 years ago or less	150.3	99.9	69.5	39.9	33.9	11.8	2.6	409.7
Had not retired (c)	302.8	228.6	121.7	75.1	63.5	21.9	10.3	827.5
Intended to retire	278.5	211.2	111.1	71.0	59.3	20.6	10.2	765.1
Claimed that they would never retire	24.3	17.4	10.6	4.1	4.3	*	*	62.4
<i>Total (d)</i>	<i>457.9</i>	<i>332.2</i>	<i>194.2</i>	<i>116.1</i>	<i>98.8</i>	<i>34.0</i>	<i>12.9</i>	<i>1,252.5</i>

(a) Civilian non-institutional population, excluding persons permanently unable to work. (b) Includes the Northern Territory. (c) Comprises persons working full time at the time of the survey and others who intended to do so. (d) Includes persons who had never worked full time.

**TABLE 3. FEMALES AGED 50 TO 69 YEARS (a) : FULL-TIME WORK STATUS  
AND AGE AT MAY 1980  
( ' 000)**

	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>A.C.T.</i>	<i>Australia (b)</i>
<b>AGE 50 TO 54 YEARS</b>								
Had never worked full time	12.1	7.6	3.6	*	3.1	*	*	29.8
Had retired from the full-time labour force	84.1	62.2	37.2	24.5	18.7	6.9	2.4	236.9
More than 20 years ago	45.6	34.3	20.2	13.4	9.3	4.8	*	129.0
20 years ago or less	38.5	27.9	17.0	11.1	9.4	2.1	*	107.9
Had not retired (c) (d)	40.4	31.3	13.9	8.2	7.3	2.1	2.0	105.9
Intended to retire	37.1	30.2	12.8	7.9	7.2	2.0	2.0	99.8
<i>Total</i>	<i>136.6</i>	<i>101.2</i>	<i>54.7</i>	<i>34.7</i>	<i>29.1</i>	<i>10.0</i>	<i>4.8</i>	<i>372.6</i>
<b>AGE 55 TO 59 YEARS</b>								
Had never worked full time	10.4	8.5	5.2	4.3	3.4	*	*	33.2
Had retired from the full-time labour force	96.8	69.3	39.5	24.0	19.0	7.4	2.6	259.8
More than 20 years ago	53.8	35.1	21.4	13.1	10.5	4.4	*	139.5
20 years ago or less	43.0	34.1	18.1	10.9	8.5	3.0	*	120.4
Had not retired (c) (d)	26.9	18.0	9.3	5.2	4.2	*	*	66.2
Intended to retire	25.2	17.2	8.2	4.9	4.1	*	*	61.9
<i>Total</i>	<i>134.0</i>	<i>95.8</i>	<i>54.0</i>	<i>33.5</i>	<i>26.6</i>	<i>10.0</i>	<i>3.9</i>	<i>359.2</i>
<b>AGE 60 TO 64 YEARS</b>								
Had never worked full time	17.5	9.9	9.1	4.1	3.5	1.7	*	45.8
Had retired from the full-time labour force	84.9	61.3	37.2	22.3	17.0	6.3	2.3	231.8
More than 20 years ago	48.0	35.6	22.7	14.3	9.7	3.5	*	134.7
20 years ago or less	36.9	25.8	14.5	8.0	7.3	2.8	*	97.1
Had not retired (c) (d)	10.7	7.0	*	*	*	*	*	24.5
Intended to retire	9.1	6.3	*	*	*	*	*	21.1
<i>Total</i>	<i>113.1</i>	<i>78.2</i>	<i>48.8</i>	<i>27.9</i>	<i>22.2</i>	<i>8.5</i>	<i>2.6</i>	<i>302.1</i>
<b>AGE 65 TO 69 YEARS</b>								
Had never worked full time	17.3	11.2	7.1	4.3	3.6	1.9	*	46.0
Had retired from the full-time labour force	80.5	57.8	35.6	21.6	16.6	5.2	*	219.4
More than 20 years ago	50.2	35.9	22.9	12.6	10.3	3.3	*	136.3
20 years ago or less	30.3	21.9	12.7	8.9	6.3	2.0	*	83.1
Had not retired (c) (d)	*	*	*	*	*	*	*	4.8
Intended to retire	*	*	*	*	*	*	*	*
<i>Total</i>	<i>99.5</i>	<i>70.3</i>	<i>43.6</i>	<i>26.1</i>	<i>20.5</i>	<i>7.4</i>	<i>2.0</i>	<i>270.1</i>
<b>TOTAL</b>								
Had never worked full time	57.3	37.3	25.0	14.8	13.5	5.7	*	154.8
Had retired from the full-time labour force	346.4	250.6	149.4	92.4	71.2	25.9	9.0	947.9
More than 20 years ago	197.7	140.9	87.2	53.4	39.8	16.0	4.0	539.5
20 years ago or less	148.7	109.7	62.2	38.9	31.4	9.9	5.0	408.5
Had not retired (c) (d)	79.5	57.6	26.7	15.0	13.5	4.2	3.6	201.3
Intended to retire	72.1	54.3	23.9	14.3	12.9	3.8	3.6	185.5
<i>Total</i>	<i>483.2</i>	<i>345.5</i>	<i>201.1</i>	<i>122.2</i>	<i>98.3</i>	<i>35.9</i>	<i>13.3</i>	<i>1,304.0</i>

For footnotes (a)—(c) see Table 2. (d) Includes persons who claimed that they would never retire.

**TABLE 4. PERSONS AGED 50 TO 69 YEARS (a): FULL-TIME WORK STATUS  
AND AGE AT MAY 1980  
( '000)**

	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>A.C.T.</i>	<i>Australia (b)</i>
<b>AGE 50 TO 54 YEARS</b>								
Had never worked full time	12.3	7.9	3.8	*	3.2	*	*	30.8
Had retired from the full-time labour force	95.5	69.5	43.2	26.4	21.2	7.9	2.6	267.5
More than 20 years ago	46.5	34.9	20.2	13.4	9.3	4.8	*	130.6
20 years ago or less	49.0	34.6	23.1	13.1	11.9	3.1	*	136.9
Had not retired (c)	170.7	129.7	64.6	41.6	36.8	11.7	6.7	464.9
Intended to retire	159.3	122.6	59.2	39.9	34.9	10.9	6.7	436.4
Claimed that they would never retire	11.5	7.0	5.4	*	*	*	*	28.3
<i>Total</i>	<i>278.5</i>	<i>207.0</i>	<i>111.7</i>	<i>70.4</i>	<i>61.2</i>	<i>20.6</i>	<i>9.6</i>	<i>763.0</i>
<b>AGE 55 TO 59 YEARS</b>								
Had never worked full time	10.8	8.8	5.4	4.3	3.5	*	*	34.6
Had retired from the full-time labour force	118.1	83.3	49.1	29.9	23.9	9.1	2.8	318.0
More than 20 years ago	54.5	36.3	21.4	13.2	10.8	4.5	*	141.9
20 years ago or less	63.6	47.0	27.7	16.7	13.0	4.6	*	176.0
Had not retired (c)	134.8	98.1	53.3	31.5	26.9	9.2	5.0	359.7
Intended to retire	123.0	91.3	48.6	29.9	25.1	8.7	5.0	332.6
Claimed that they would never retire	11.7	6.8	4.7	*	*	*	*	27.1
<i>Total</i>	<i>263.7</i>	<i>190.1</i>	<i>107.8</i>	<i>65.8</i>	<i>54.3</i>	<i>19.5</i>	<i>8.0</i>	<i>712.2</i>
<b>AGE 60 TO 64 YEARS</b>								
Had never worked full time	17.8	10.3	9.6	4.1	3.5	1.7	*	47.6
Had retired from the full-time labour force	134.8	91.0	60.6	35.5	28.0	9.8	3.2	364.0
More than 20 years ago	49.2	35.6	23.3	14.8	9.9	3.7	*	137.4
20 years ago or less	85.6	55.4	37.2	20.7	18.2	6.1	2.5	226.6
Had not retired (c)	63.5	49.0	23.6	14.6	11.3	4.3	*	168.5
Intended to retire	59.6	44.4	22.1	13.6	10.5	4.0	*	156.0
Claimed that they would never retire	*	4.6	*	*	*	*	*	12.5
<i>Total</i>	<i>216.0</i>	<i>150.4</i>	<i>93.7</i>	<i>54.2</i>	<i>42.8</i>	<i>15.8</i>	<i>5.0</i>	<i>580.1</i>
<b>AGE 65 TO 69 YEARS</b>								
Had never worked full time	17.3	11.7	7.1	4.4	3.8	1.9	*	46.8
Had retired from the full-time labour force	152.1	109.0	68.1	41.1	32.9	11.2	3.0	418.5
More than 20 years ago	51.3	36.4	24.4	12.7	10.7	3.3	*	139.9
20 years ago or less	100.8	72.6	43.8	28.4	22.2	7.8	2.0	278.6
Had not retired (c)	13.4	9.5	6.9	*	*	*	*	35.9
Intended to retire	8.7	7.2	5.1	*	*	*	*	25.6
Claimed that they would never retire	4.7	*	*	*	*	*	*	10.3
<i>Total</i>	<i>182.8</i>	<i>130.2</i>	<i>82.1</i>	<i>47.9</i>	<i>38.8</i>	<i>14.1</i>	<i>3.6</i>	<i>501.1</i>
<b>TOTAL</b>								
Had never worked full time	58.2	38.7	25.8	15.1	14.0	5.7	*	159.8
Had retired from the full-time labour force	500.5	352.8	221.1	133.0	106.1	38.0	11.6	1,367.9
More than 20 years ago	201.6	143.2	89.3	54.1	40.7	16.3	4.0	549.7
20 years ago or less	299.0	209.6	131.8	78.9	65.4	21.7	7.6	818.2
Had not retired (c)	382.4	286.3	148.4	90.1	77.1	26.2	13.8	1,028.8
Intended to retire	350.7	265.5	135.0	85.3	72.1	24.4	13.8	950.6
Claimed that they would never retire	31.7	20.8	13.4	4.8	4.9	1.7	*	78.2
<i>Total</i>	<i>941.1</i>	<i>677.7</i>	<i>395.3</i>	<i>238.2</i>	<i>197.1</i>	<i>69.9</i>	<i>26.2</i>	<i>2,556.5</i>

For footnotes see Table 2.

TABLE 5. PERSONS AGED 50 TO 69 YEARS (a) : AGE, BIRTHPLACE AND FULL-TIME WORK STATUS, MAY 1980 ('000)

Age (years) and country of birth	Had retired from the full-time labour force				Had not retired (b)				Total
	Had never worked full time	More than 20 years ago	20 years ago or less	Total	Intended to retire	Claimed that they would never retire	Total		
MALES									
50 to 54—									
Born in Australia	*	*	20.2	21.5	221.8	16.6	238.3	260.5	
Born overseas	*	*	8.8	9.0	114.8	5.7	120.5	129.9	
Main English speaking countries	*	*	*	*	42.0	*	44.2	46.6	
Other countries	*	*	6.5	6.7	72.8	*	76.2	83.3	
55 to 59—									
Born in Australia	*	*	40.8	42.8	182.6	17.0	199.7	243.5	
Born overseas	*	*	14.9	15.3	88.0	5.8	93.9	109.6	
Main English speaking countries	*	*	6.3	6.3	35.4	*	38.2	44.5	
Other countries	*	*	8.5	9.0	52.6	*	55.6	65.0	
60 to 64—									
Born in Australia	*	*	102.9	104.9	92.8	7.1	100.0	206.4	
Born overseas	*	*	26.6	27.3	42.1	*	44.1	71.6	
Main English speaking countries	*	*	14.4	14.8	18.9	*	20.3	35.1	
Other countries	*	*	12.3	12.4	23.2	*	23.8	36.5	
65 to 69—									
Born in Australia	*	*	143.5	146.2	19.2	6.5	25.6	172.4	
Born overseas	*	*	52.1	53.0	*	*	5.5	58.7	
Main English speaking countries	*	*	27.9	28.2	*	*	*	29.8	
Other countries	*	*	24.2	24.7	*	*	*	28.8	
Total—									
Born in Australia	*	8.0	307.4	315.4	516.4	47.2	563.6	882.7	
Born overseas	*	*	102.4	104.6	248.7	15.2	263.9	369.7	
Main English speaking countries	*	*	50.9	51.7	97.4	7.0	104.3	156.1	
Other countries	*	*	51.4	52.9	151.3	8.2	159.5	213.7	
FEMALES									
50 to 54—									
Born in Australia	17.8	112.8	76.5	189.3	68.0	4.5	72.5	279.6	
Born overseas	12.1	16.2	31.4	47.6	31.7	*	33.3	93.0	
Main English speaking countries	*	8.9	12.3	21.1	13.0	*	13.3	35.1	
Other countries	11.5	7.4	19.1	26.5	18.7	*	20.1	58.0	
55 to 59—									
Born in Australia	20.2	119.2	77.3	196.5	40.2	*	43.7	260.5	
Born overseas	13.0	20.3	43.1	63.3	21.7	*	22.4	98.7	
Main English speaking countries	*	9.8	18.8	28.7	7.8	*	8.1	39.1	
Other countries	10.7	10.4	24.3	34.7	14.0	*	14.3	59.8	
60 to 64—									
Born in Australia	35.5	117.4	70.1	187.5	15.4	*	18.5	241.6	
Born overseas	10.3	17.3	27.0	44.3	5.8	*	6.0	60.6	
Main English speaking countries	*	11.3	13.6	24.9	*	*	*	30.0	
Other countries	8.7	6.0	13.4	19.4	*	*	*	30.6	
65 to 69—									
Born in Australia	34.9	117.7	57.6	175.3	*	*	*	213.4	
Born overseas	11.0	18.6	25.5	44.1	*	*	*	56.7	
Main English speaking countries	*	10.8	13.9	24.7	*	*	*	29.0	
Other countries	7.4	7.8	11.6	19.4	*	*	*	27.8	
Total—									
Born in Australia	108.5	467.1	281.5	748.6	125.4	12.6	137.9	994.9	
Born overseas	46.4	72.4	127.0	199.3	60.2	*	63.4	309.1	
Main English speaking countries	8.0	40.9	58.6	99.5	24.5	*	25.6	133.0	
Other countries	38.3	31.5	68.4	99.9	35.7	*	37.8	176.1	
PERSONS									
50 to 54—									
Born in Australia	18.4	114.1	96.7	210.8	289.8	21.0	310.9	540.1	
Born overseas	12.5	16.4	40.2	56.6	146.6	7.3	153.8	222.9	
Main English speaking countries	*	8.9	14.6	23.5	55.0	*	57.5	81.6	
Other countries	11.9	7.6	25.6	33.2	91.5	4.8	96.3	141.3	
55 to 59—									
Born in Australia	21.2	121.2	118.1	239.3	222.8	20.6	243.4	504.0	
Born overseas	13.3	20.7	57.9	78.7	109.8	6.5	116.3	208.3	
Main English speaking countries	*	9.8	25.1	35.0	43.2	*	46.3	83.5	
Other countries	11.1	10.9	32.8	43.7	66.6	*	70.0	124.8	
60 to 64—									
Born in Australia	37.1	119.4	173.0	292.4	108.2	10.3	118.5	447.9	
Born overseas	10.5	17.9	53.6	71.6	47.8	*	50.0	132.1	
Main English speaking countries	*	11.8	28.0	39.7	22.2	*	23.8	65.1	
Other countries	9.0	6.2	25.7	31.8	25.6	*	26.2	67.0	
65 to 69—									
Born in Australia	35.5	120.4	201.1	321.4	20.9	7.9	28.8	385.7	
Born overseas	11.3	19.5	77.6	97.0	4.7	*	7.1	115.4	
Main English speaking countries	*	11.2	41.8	53.0	*	*	*	58.8	
Other countries	7.7	8.3	35.7	44.1	*	*	4.9	56.6	
Total—									
Born in Australia	112.1	475.1	588.9	1,064.0	641.8	59.8	701.5	1,877.7	
Born overseas	47.6	74.6	229.3	303.9	308.8	18.4	327.3	678.8	
Main English speaking countries	8.0	41.6	109.6	151.2	121.8	8.1	129.9	289.1	
Other countries	39.6	33.0	119.8	152.7	187.0	10.4	197.4	389.7	

(a) Civilian non-institutionalised population, excluding persons permanently unable to work. (b) Comprises persons working full time at the time of the survey and others who intended to do so.



**TABLE 6. PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE  
WITHIN THE PREVIOUS 20 YEARS : AGE AT RETIREMENT AND AT MAY 1980**  
( ' 000 )

	Age at retirement (years)					
Age at May 1980	Under 50	50-54	55-59	60-64	65-69	Total
MALES						
50-54	17.9	11.1	..	..	..	29.0
55-59	6.8	23.9	25.1	..	..	55.7
60-64	*	7.1	44.7	75.0	..	129.5
65-69	*	4.8	18.0	85.2	86.6	195.4
Total	28.0	46.9	87.8	160.2	86.6	409.7
FEMALES						
50-54	82.0	25.5	..	..	..	107.9
55-59	46.0	42.7	31.4	..	..	120.4
60-64	16.7	25.5	35.0	19.9	..	97.1
65-69	4.7	10.7	24.1	35.7	7.9	83.1
Total	149.5	104.3	90.6	55.7	7.9	408.5
PERSONS						
50-54	99.9	36.8	..	..	..	136.9
55-59	52.8	66.6	56.4	..	..	176.0
60-64	19.4	32.6	79.7	95.0	..	226.6
65-69	5.3	15.5	42.1	120.9	94.5	278.6
Total	177.4	151.2	178.4	215.9	94.5	818.2

**TABLE 7. PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE WITHIN  
THE PREVIOUS 20 YEARS WHEN AGED 50 YEARS OR MORE : AGE AND MAIN SOURCE  
OF INCOME, MAY 1980**

Main source of income, May 1980	Age (years)				Total	
	50-54	55-59	60-64 — ' 000 —	65-69		per cent
<b>MALES</b>						
Government pension	6.5	25.2	80.0	146.1	257.8	67.6
Superannuation	*	10.1	21.1	23.0	56.4	14.8
Investments	*	7.8	15.1	18.8	42.1	11.0
Other (a)	*	5.8	10.6	7.0	25.3	6.6
<i>Total</i>	<i>11.1</i>	<i>48.9</i>	<i>126.9</i>	<i>194.7</i>	<i>381.6</i>	<i>100.0</i>
<b>FEMALES</b>						
Government pension	7.2	31.4	54.6	60.1	153.4	59.3
Investment	*	5.5	4.9	7.6	19.4	7.5
Dependent on another person (b)	13.2	29.2	14.5	5.6	62.5	24.2
Part-time work	*	4.5	—	4.5	12.0	4.6
Other	*	—	7.2	*	11.2	4.3
<i>Total</i>	<i>25.7</i>	<i>74.1</i>	<i>80.4</i>	<i>78.3</i>	<i>258.5</i>	<i>100.0</i>
<b>PERSONS</b>						
Government pension	13.8	56.6	134.7	206.2	411.2	64.3
Superannuation	*	12.3	23.8	25.2	63.7	10.0
Investments	*	13.3	20.1	26.4	61.4	9.6
Dependent on another person (b)	13.6	30.7	16.3	7.4	67.9	10.6
Part-time work	*	7.1	7.3	*	21.2	3.3
Other (a)	*	*	5.1	4.7	14.6	2.3
<i>Total</i>	<i>36.8</i>	<i>123.0</i>	<i>207.2</i>	<i>273.1</i>	<i>640.0</i>	<i>100.0</i>

(a) Includes 9,700 persons (6,600 males) whose main source of income was from the sale of assets and/or savings. (b) Most of these persons would be dependent on the income of their spouses.

**TABLE 8. PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE WITHIN THE PREVIOUS 20 YEARS WHEN AGED 50 YEARS OR MORE: PERIOD SINCE RETIRED, MAIN SOURCE OF INCOME AND WHETHER MAIN SOURCE HAS CHANGED SINCE RETIREMENT, MAY 1980**  
( ' 000)

	Males				Females			
	Period since retired (years)				Period since retired (years)			
	less than 2	2 to 4	5 to 9	Total (a)	less than 2	2 to 4	5 to 9	Total (a)
<b>NO CHANGE IN MAIN SOURCE OF INCOME</b>								
Main source of income, May 1980—								
Government pension	50.0	94.0	45.8	196.9	15.4	28.8	36.3	91.7
Superannuation	11.7	29.1	11.8	53.8	*	4.7		6.8
Investments	9.2	13.4	10.1	34.8	*	4.9	5.6	14.3
Dependent on another person (b)	*	*	*	4.5	16.4	19.7	19.6	60.6
Part-time work	4.7		*	5.8	6.1	*	*	7.9
Other	6.8		*	8.6	*	*	*	*
<b>Total</b>	<b>80.1</b>	<b>142.0</b>	<b>70.8</b>	<b>304.4</b>	<b>40.7</b>	<b>59.3</b>	<b>65.9</b>	<b>184.6</b>
<b>CHANGE IN MAIN SOURCE OF INCOME</b>								
Main source of income, May 1980—								
Government pension	12.2	22.7	21.6	61.0	*	14.0	25.3	61.7
Investments	4.8		*	7.3	*	*	*	5.0
Other	6.2		*	9.0	*	5.5		7.2
Main source of income at retirement—								
Superannuation	*	7.1	4.2	15.9	*	*	*	*
Savings/sale of assets	6.5	9.8	11.1	29.3	6.8		5.4	15.8
Dependent on another person (b)	*	*	*	5.0	*	8.8	18.7	42.3
Part-time work	*	*	*	6.9	*	*	*	6.0
Other	*	8.8	6.4	20.1	*	5.3		7.5
<b>Total</b>	<b>16.5</b>	<b>29.3</b>	<b>25.8</b>	<b>77.3</b>	<b>6.2</b>	<b>17.5</b>	<b>29.9</b>	<b>73.9</b>
<b>TOTAL</b>								
Main source of income, May 1980—								
Government pension	62.1	116.7	67.4	257.8	19.7	42.8	61.6	153.4
Superannuation	12.4	30.2	12.4	56.4	*	5.0		7.3
Investments	11.2	16.3	11.8	42.1	*	5.8	7.4	19.4
Dependent on another person (b)	*	*	*	5.4	16.4	20.4	20.7	62.5
Part-time work	7.7		*	9.3	*	4.9	*	12.0
Other	4.8	5.0		10.6	*	*	*	*
Main source of income at retirement—								
Government pension	50.4	95.5	46.0	199.0	15.5	29.4	36.8	92.9
Superannuation	15.4	36.2	16.0	69.7	5.1		*	9.1
Investments	9.9	16.4	13.7	42.9	*	5.7	6.7	17.2
Dependent on another person (b)	6.0		*	9.5	18.3	28.6	38.3	102.9
Part-time work	5.1	6.6		12.7	7.4		*	13.9
Savings/sale of assets	9.7	10.5	11.8	34.5	*	4.7	5.9	18.5
Other	*	6.0	*	13.2	*	*	*	*
<b>Total</b>	<b>96.7</b>	<b>171.3</b>	<b>96.6</b>	<b>381.6</b>	<b>46.9</b>	<b>76.8</b>	<b>95.8</b>	<b>258.5</b>

(a) Includes persons who ceased full-time work from 10 to 20 years ago when aged 50 years or more. (b) Most of these persons would be dependent on the income of their spouses.

**TABLE 9. PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE WITHIN THE PREVIOUS 20 YEARS WHEN AGED 50 YEARS OR MORE : OCCUPATIONAL STATUS IN LAST FULL-TIME JOB AND MAIN SOURCE OF INCOME, MAY 1980**  
( ' 000 )

Occupational status in last full-time job	Main source of income, May 1980						Total(c)
	Government pension	Superannuation	Investments	Dependent on another person (a)	Part-time work	Savings, sale of assets	
<b>Males—</b>							
Wage or salary earner	220.6	56.1	21.0	*	6.0	*	314.8
Employer	11.3	*	13.3	*	*	*	29.3
Self employed	25.9	*	7.8	*	*	*	37.3
<b>Total (b)</b>	<b>257.8</b>	<b>56.4</b>	<b>42.1</b>	<b>5.4</b>	<b>9.3</b>	<b>6.6</b>	<b>381.6</b>
<b>Females—</b>							
Wage or salary earner	137.9	7.3	10.4	56.1	11.0	*	224.9
Employer	6.4	*	6.1	*	*	*	18.4
Self employed	8.5	*	*	*	*	*	14.3
<b>Total (b)</b>	<b>153.4</b>	<b>7.3</b>	<b>19.4</b>	<b>62.5</b>	<b>12.0</b>	<b>*</b>	<b>258.5</b>
<b>Persons—</b>							
Wage or salary earner	358.5	63.4	31.4	60.4	17.0	5.2	539.7
Employer	17.7	*	19.4	*	*	*	47.7
Self employed	34.4	*	10.6	*	*	*	51.6
<b>Total (b)</b>	<b>411.2</b>	<b>63.7</b>	<b>61.4</b>	<b>67.9</b>	<b>21.2</b>	<b>9.7</b>	<b>640.0</b>

(a) Most of these persons would be dependent on the income of their spouses. (b) Includes a small number of unpaid family helpers. (c) Includes other sources of income not shown separately.

**TABLE 10. PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE WITHIN THE PREVIOUS 20 YEARS WHEN AGED 50 YEARS OR MORE : OCCUPATION AND OCCUPATIONAL STATUS IN LAST FULL-TIME JOB AND MAIN SOURCES OF INCOME, MAY 1980**  
( ' 000 )

Main source of income, May 1980	Occupation in last full-time job								Total
	Profession- al and technical	Adminis- trative executive and man- agerial	Clerical	Sales	Farmers, fishermen timber- getters, etc.	Transport and commu- nication	Trades- men, etc. (a)	Service sport and recrea- tion	
WAGE OR SALARY EARNER IN LAST FULL-TIME JOB									
Government pension	17.1	12.0	38.3	26.5	14.4	17.8	168.2	64.2	358.5
Superannuation	15.0	4.5	15.0	*	*	6.8	13.6	5.4	63.4
Investments	6.8	4.8	6.8	*	*	*	6.6	*	31.4
Dependent on another person (b)	5.5	*	12.1	7.4	*	*	16.3	15.0	60.4
Part-time work	*	*	5.4		*	*	7.4		17.0
Total (c)	48.5	24.3	74.5	44.4	18.6	27.1	211.8	90.6	539.7
TOTAL									
Government pension	18.3	20.1	40.1	37.0	25.9	21.0	181.6	67.3	411.2
Superannuation	15.3	4.5	15.0	*	*	6.8	13.7	5.4	63.7
Investments	8.4	12.3	7.8	7.7	11.0	*	10.5	*	61.4
Dependent on another person (b)	5.7	4.7	12.7	8.9	*	*	17.0	16.1	67.9
Part-time work	4.8		5.5		*	*	5.0	*	21.2
Total (c)	53.0	43.5	78.1	61.7	44.6	32.3	231.3	95.6	640.0

(a) Includes miners and quarrymen, tradesmen, production-process workers and labourers, n.e.c. (b) Most of these persons would be dependent on the income of their spouses. (c) Includes other income sources such as savings and sale of assets.

**TABLE 11. PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE WITHIN THE PREVIOUS 20 YEARS WHEN AGED 50 YEARS OR MORE : OCCUPATION IN LAST FULL-TIME JOB AND WHETHER BELONGED TO A SUPERANNUATION OR OTHER RETIREMENT SCHEME, (a) MAY 1980**  
( ' 000)

	Occupation in last full-time job							Total
	Profession- al and technical	Adminis- trative executive and man- agerial	Clerical	Sales	Farmers, fishermen timber- getters, etc.	Transport and commu- nication	Trades- men, etc. (a)	Service sport and recrea- tion
<b>MALES</b>								
Belonged to a retirement scheme	23.7	19.6	23.5	10.6	10.3	15.9	82.8	201.1
Had superannuation cover	21.0	15.8	22.3	9.3	6.2	13.2	70.7	172.3
Did not belong to a retirement scheme	4.9	8.1	8.9	13.4	26.0	11.4	92.3	180.4
<b>Total</b>	<b>28.6</b>	<b>27.8</b>	<b>32.5</b>	<b>24.0</b>	<b>36.2</b>	<b>27.3</b>	<b>175.1</b>	<b>381.6</b>
<b>FEMALES</b>								
Belonged to a retirement scheme	10.3	*	16.0	5.6	*	*	6.9	52.3
Had superannuation cover	8.6	*	13.9	4.8	*	*	6.1	44.2
Did not belong to a retirement scheme	14.2	12.8	29.6	32.1	7.9	*	49.3	206.2
<b>Total</b>	<b>24.5</b>	<b>15.7</b>	<b>45.6</b>	<b>37.7</b>	<b>8.3</b>	<b>5.0</b>	<b>56.2</b>	<b>258.5</b>
<b>PERSONS</b>								
Belonged to a retirement scheme	34.0	22.6	39.6	16.2	10.7	17.6	89.7	253.4
Had superannuation cover	29.6	18.1	36.3	14.1	6.2	14.8	76.9	216.5
Did not belong to a retirement scheme	19.1	20.9	38.5	45.5	33.8	14.6	141.6	386.6
<b>Total</b>	<b>53.0</b>	<b>43.5</b>	<b>78.1</b>	<b>61.7</b>	<b>44.6</b>	<b>32.3</b>	<b>231.3</b>	<b>640.0</b>

(a) Includes life insurance policies and other schemes providing for retirement. (b) Includes miners and quarrymen, tradesmen, production-process workers and labourers, n.e.c.

**TABLE 12. HOUSING ARRANGEMENTS OF PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE WITHIN THE LAST 20 YEARS WHEN AGED 50 YEARS OR MORE : MAIN SOURCE OF INCOME (a), MAY 1980**  
( ' 000)

Housing arrangements and main source of income, May 1980	Married couples(a)	Not married		Total
		Males	Females	
Owns home(b)	222.5	33.7	52.7	308.9
Government pension	144.3	20.3	40.1	204.7
Superannuation	34.2	4.9	*	42.1
Investments	30.9	5.0	7.5	43.5
Part-time work	4.9	*	*	7.2
Savings, sale of assets	*	*	*	5.4
Paying off home(b)	48.0	*	11.6	63.0
Government pension	29.2	*	9.2	40.2
Superannuation	11.1	*	*	12.4
Renting from Housing Commission(b)(c)	13.3	*	8.7	25.3
Government pension	12.3	*	8.5	23.8
Renting from other than Housing Commission(b)	25.9	20.2	18.3	64.4
Government pension	21.1	16.7	17.0	54.7
Lives rent free(b)	5.4	5.1	7.5	18.0
Government pension	*	*	5.2	13.3
<b>Total (d)</b>	<b>316.2</b>	<b>68.4</b>	<b>102.3</b>	<b>486.9</b>
Government pension	211.5	48.0	83.1	342.6
Superannuation	48.5	8.0	5.0	61.5
Investments	36.1	6.3	9.3	51.7
Part-time work	7.0	*	*	11.6
Savings, sale of assets	*	*	*	7.6
Other income sources	8.9	*	*	11.8

(a) For married couples the information relates to the husband except for a small number of cases where the husband was out of scope of the survey. In these cases the information relates to the wife. (b) Includes sources of income not shown separately. (c) Includes all State and Territory housing authorities. (d) Includes 7,300 with other arrangements.

**TABLE 13. HOUSING ARRANGEMENTS OF PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE WITHIN THE LAST 20 YEARS WHEN AGED 50 YEARS OR MORE : AGE AT RETIREMENT, HOUSING ARRANGEMENTS (a) IMMEDIATELY BEFORE RETIREMENT AND IN MAY 1980 ('000)**

Housing arrangements (a) at May 1980						
Housing arrangements immediately before retirement(a)	Owns home	Paying off home	Renting current home		Total	Total(c)
			Housing Commission (b)	From someone else		
RETIRED WHEN AGED 50 TO 54 YEARS						
Owned home	32.5	*	*	*	*	35.8
Paying off home	5.0	10.5	*	*	*	17.2
Rented home	*	*	6.6	12.1	18.6	22.3
From Housing Commission(b)	*	*	5.1	*	5.3	5.3
From other than Housing Commission	*	*	*	11.8	13.3	16.9
Total(c)	39.1	12.9	7.4	15.6	23.1	79.3
RETIRED WHEN AGED 55 TO 59 YEARS						
Owned home	64.4	*	*	*	*	68.6
Paying off home	6.2	17.8	*	*	*	24.7
Rented home	*	*	6.5	14.2	20.7	25.6
From Housing Commission(b)	*	*	4.9	*	5.3	5.8
From other than Housing Commission	*	*	*	13.7	15.3	19.8
Total(c)	73.4	19.1	7.1	17.3	24.4	125.8
RETIRED WHEN AGED 60 TO 64 YEARS						
Owned home	116.8	*	*	*	*	122.1
Paying off home	9.0	20.4	*	*	*	30.2
Rented home	4.9	*	6.3	16.0	22.2	29.3
From Housing Commission(b)	*	*	4.6	*	4.9	5.0
From other than Housing Commission	4.7	*	*	15.7	17.3	24.3
Total(c)	131.8	22.5	7.0	20.5	27.6	190.3
RETIRED WHEN AGED 65 TO 69 YEARS						
Owned home	59.4	*	*	*	*	60.8
Paying off home	*	7.3	*	*	*	11.9
Rented home	*	*	*	10.4	14.0	15.5
From Housing Commission(b)	*	*	*	*	*	*
From other than Housing Commission	*	*	*	10.4	10.6	11.8
Total(c)	64.5	8.4	*	10.9	14.6	91.4
TOTAL						
Owned home	273.0	*	*	6.3	6.8	287.3
Paying off home	24.5	56.0	*	*	*	83.9
Rented home	7.9	*	22.9	52.5	75.5	92.7
From Housing Commission(b)	*	*	18.0	*	19.0	19.8
From other than Housing Commission	7.5	*	4.9	51.5	56.5	72.9
Total(c)	308.9	63.0	25.3	64.4	89.7	486.9

(a) See footnote (a) to Table 12. (b) See footnote (c) to Table 12. (c) Includes living rent free and other arrangements.

**TABLE 14. HOUSING ARRANGEMENTS OF PERSONS AGED 50 TO 69 YEARS WHO HAD RETIRED FROM THE FULL-TIME LABOUR FORCE WITHIN THE LAST 20 YEARS WHEN AGED 50 YEARS OR MORE : AGE, MAY 1980 ('000)**

Housing arrangements in May 1980	Age (years)				Total
	50-54	55-59	60-64	65-69	
Owns home	7.7	34.0	101.7	165.5	308.9
Paying off home	*	16.7	21.1	21.2	63.0
Renting current home	*	17.0	29.7	39.4	89.7
From Housing Commission(b)	*	*	9.5	10.3	25.3
From other than Housing Commission	*	13.1	20.2	29.2	64.4
Lives rent free	*	*	5.6	9.2	18.0
Other arrangements	*	*	6.5		7.3
<b>Total</b>	<b>16.5</b>	<b>70.4</b>	<b>161.4</b>	<b>238.5</b>	<b>486.9</b>

(a) See footnote (a) to Table 12. (b) See footnote (c) to Table 12.

**TABLE 15. PERSONS AGED 50 TO 69 YEARS WHO INTEND TO RETIRE FROM THE FULL-TIME LABOUR FORCE : AGE AT WHICH INTENDED TO RETIRE AND AGE AT MAY 1980**  
(\* 000)

	Intended age of retirement (years)						
Age (years) at May 1980	50-54	55-59	60-64	65-69	70 and over	Not known	Total
MALES							
50-54	*	10.7	74.0	161.7	4.7	84.0	336.6
55-59	..	*	92.6	113.7	*	56.0	270.7
60-64	..	..	15.3	87.0	*	29.3	134.9
65-69	..	..	..	7.2	4.8	10.9	22.9
Total	*	14.7	181.9	369.6	17.1	180.2	765.1
FEMALES							
50-54	7.8	19.5	30.8	6.5	*	34.7	99.8
55-59	..	8.5	27.1	7.3	*	18.5	61.9
60-64	..	..	5.5	5.1	*	9.2	21.1
65-69	..	..	..	*	*	*	*
Total	7.8	28.0	63.5	19.2	*	64.1	185.5
PERSONS							
50-54	9.5	30.2	104.8	168.1	5.1	118.6	436.4
55-59	..	12.5	119.7	121.0	4.9	74.5	332.6
60-64	..	..	20.8	92.1	4.6	38.5	156.0
65-69	..	..	..	7.5	5.5	12.6	25.6
Total	9.5	42.7	245.3	388.8	20.0	244.3	950.6

**TABLE 16. PERSONS AGED 50 TO 69 YEARS WHO INTEND TO RETIRE FROM THE FULL-TIME LABOUR FORCE : PERIOD BEFORE RETIREMENT AND AGE AT MAY 1980**  
(\* 000)

Age (years) at May 1980	Period before retirement						Total
	Less than 2 years	2 to 4 years	5 to 9 years	10 to 19 years	Not known(a)	Not spec- ified(b)	
MALES							
50-54	*	6.8	61.1	177.6	84.0	4.7	336.6
55-59	15.0	58.2	112.3	24.8	56.0	*	270.7
60-64	28.9	50.9	22.5	(b)	29.3	*	134.9
65-69	6.0	*	(b)	(b)	10.9	4.8	22.9
Total	52.5	117.1	195.9	202.4	180.1	17.1	765.1
FEMALES							
50-54	7.3	15.1	28.0	14.3	34.7	*	99.8
55-59	11.3	18.0	13.0	*	18.5	*	61.9
60-64	4.9	*	*	(b)	9.2	*	21.1
65-69	*	*	(b)	(b)	*	*	*
Total	23.7	37.1	42.6	15.0	64.1	*	185.5
PERSONS							
50-54	9.8	21.8	89.1	191.8	118.7	5.1	436.4
55-59	26.2	76.2	125.3	25.5	74.5	4.9	332.6
60-64	33.8	55.0	24.1	(b)	38.5	4.6	156.0
65-69	6.3	*	(b)	(b)	12.6	5.5	25.6
Total	76.3	154.2	238.5	217.4	244.3	20.0	950.6

(a) Persons for whom intended age of retirement was not known. (b) Persons whose intended age of retirement is 70 years and over.

**TABLE 17. PERSONS AGED 50 TO 69 YEARS WHO INTEND TO RETIRE FROM THE FULL-TIME LABOUR FORCE : OCCUPATION, WHETHER BELONGED TO A SUPERANNUATION OR OTHER RETIREMENT SCHEME(a) AND AGE AT WHICH INTENDED TO RETIRE, MAY 1980 ('000)**

Occupation	Age at which intended to retire (years)				Total(b)
	55-59	60-64	65-69	Not known	
BELONGED TO A SUPERANNUATION OR OTHER RETIREMENT SCHEME(a)					
Employed—					
Professional and technical	4.9	26.1	27.9	13.3	74.4
Administrative, executive, managerial	*	20.4	28.4	17.6	72.7
Clerical	4.5	29.7	20.5	10.4	66.6
Sales	*	7.7	12.4	7.7	30.8
Farmers, fishermen, timbergetters, etc.	*	5.3	9.4	10.8	26.9
Transport and communication	*	12.4	22.6	6.8	42.6
Tradesmen, miners, etc.(c)	*	53.8	109.9	34.3	202.8
Service, sport and recreation	*	12.6	19.9	7.3	41.7
Total	21.6	168.2	251.1	108.2	558.4
Not employed	*	*	*	*	8.2
Total	21.8	169.9	254.8	110.0	566.6
DID NOT BELONG TO A SUPERANNUATION OR OTHER RETIREMENT SCHEME(a)					
Employed—					
Professional and technical	*	4.7	5.2	7.5	20.2
Administrative, executive, managerial	*	4.5	4.6	12.4	25.3
Clerical	*	7.3	5.9	9.4	27.7
Sales	*	5.3	6.4	14.7	32.2
Farmers, fishermen, timbergetters, etc.	*	6.2	14.1	22.8	47.7
Transport and communication	*	*	12.3	5.5	22.2
Tradesmen, miners, etc.(c)	*	27.7	60.3	38.2	133.0
Service, sport and recreation	*	10.0	11.0	11.4	38.5
Total	19.0	68.8	119.7	121.9	346.7
Not employed	*	6.6	14.3	12.4	37.3
Total	20.9	75.4	134.0	134.3	384.0
TOTAL					
Employed—					
Professional and technical	6.8	30.9	33.1	20.7	94.6
Administrative, executive, managerial	6.6	24.9	33.1	30.0	98.0
Clerical	7.8	36.9	26.4	19.8	94.3
Sales	5.0	13.0	18.7	22.4	62.9
Farmers, fishermen, timbergetters, etc.	*	11.5	23.5	33.6	74.6
Transport and communication	*	15.7	34.9	12.2	64.7
Tradesmen, miners, etc.(c)	6.2	81.5	170.2	72.5	335.8
Service, sport and recreation	5.4	22.6	30.9	18.8	80.2
Total	40.5	236.9	370.7	230.1	905.1
Not employed	*	8.4	18.1	14.2	45.6
Total	42.7	245.3	388.8	244.3	950.6

(a) Includes life insurance policies and other schemes providing money for retirement. (b) Includes 9,500 persons who intended to retire when aged 50 to 54 years and 20,200 persons who intended to retire when aged 70 years or more. (c) Includes miners and quarrymen, tradesmen, production process workers and labourers, n.e.c.

**TABLE 18. PERSONS AGED 50 TO 69 YEARS WHO INTEND TO RETIRE FROM THE FULL-TIME LABOUR FORCE: AGE AT WHICH INTENDED TO RETIRE, EXPECTED MAIN SOURCE OF INCOME AFTER RETIREMENT AND EMPLOYMENT STATUS, MAY 1980**  
( '000)

<i>Age at which intended to retire and expected main source of income immediately after retirement</i>	<i>Employed</i>		<i>Total</i>		
	<i>Full-time</i>	<i>Total</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>
50 to 54 years	9.1	9.4	*	7.8	9.5
Dependent on another person(a)	*	4.6	*	4.6	4.6
55 to 59 years	39.6	40.5	14.7	28.0	42.7
Government pension	7.2	7.5	*	7.0	8.5
Superannuation	9.2	9.2	5.2	*	9.2
Investments	7.1	7.1	4.7	*	7.1
Dependent on another person(a)	10.6	11.2	*	11.9	12.1
60 to 64 years	232.9	236.9	181.9	63.5	245.3
Government pension	98.9	101.3	69.5	38.2	107.7
Superannuation	74.9	75.7	68.1	8.1	76.2
Investments	26.5	26.6	21.7	5.0	26.7
Savings, sale of assets	6.5	6.7	6.4	*	7.2
Part-time work	8.0	8.0	7.4	*	8.1
Dependent on another person(a)	7.9	8.1	*	8.5	8.8
Not known	6.9	7.2	5.3	*	7.2
65 to 69 years	367.9	370.7	369.6	19.2	388.8
Government pension	239.9	240.8	244.6	10.9	255.5
Superannuation	69.6	70.2	67.4	*	70.5
Life insurance and similar schemes	*	*	*	*	4.8
Investments	20.3	20.9	19.5	*	21.4
Savings sale of assets	7.6	7.6	7.7	*	8.0
Part-time work	5.0	5.1	4.9	*	5.4
Not known	18.9	19.2	19.3	*	19.8
70 years and over	16.5	17.4	17.1	*	20.0
Government pension	7.8	8.6	8.5	*	10.4
Don't know when will retire	226.0	230.1	180.2	64.1	244.3
Government pension	98.1	100.4	75.4	33.8	109.2
Superannuation	24.6	24.6	21.1	*	24.9
Life insurance and similar schemes	4.5	4.5	*	*	4.5
Investments	31.7	32.0	26.8	5.7	32.5
Savings, sale of assets	12.3	12.5	10.6	*	12.9
Part-time work	*	4.8	*	*	5.0
Dependent on another person(a)	8.6	9.0	*	9.8	10.1
Not known	41.6	42.2	38.5	6.5	45.0
<b>Total</b>	<b>892.0</b>	<b>905.1</b>	<b>765.1</b>	<b>185.5</b>	<b>950.6</b>
Government pension	454.1	460.8	399.9	93.6	493.6
Superannuation	179.9	181.2	163.3	19.4	182.6
Life insurance and similar schemes	11.6	11.6	10.9	*	12.3
Investments	89.3	90.6	76.1	15.7	91.8
Savings, sale of assets	29.0	29.5	26.8	*	31.2
Part-time work	21.1	21.6	18.6	*	22.2
Dependent on another person(a)	33.5	35.4	*	36.4	38.9
Not known	71.3	72.3	65.4	10.4	75.7

(a) Most of these persons would be dependent on the income of their spouses.



**TABLE 19. PERSONS AGED 50 TO 69 YEARS WHO INTEND TO RETIRE FROM THE FULL-TIME LABOUR FORCE : INDUSTRY, EXPECTED MAIN SOURCE OF INCOME AFTER RETIREMENT AND WHETHER INTENDED TO RETIRE EARLY(a) MAY 1980 ('000)**

Industry	Males				Persons			
	Expected main source of income			Total(b)	Expected main source of income			Total(b)
	Government pension	Super-annuation	Investments, savings, sale of assets		Government pension	Super-annuation	Investments, savings, sale of assets	
INTENDED TO RETIRE EARLY(a)								
Agriculture, mining		6.8	5.2	14.1		7.2	5.2	15.0
Manufacturing	22.0	11.0	7.5	44.8	24.1	12.3	8.0	52.4
Construction	8.9	*	*	16.2	9.1	*	*	17.0
Wholesale and retail trades	9.4	5.7	7.4	25.0	10.9	6.4	8.4	33.9
Transport and storage	6.6	8.9	*	19.9	6.6	8.9	*	20.6
Finance, property, business services	*	5.8	*	11.8	*	6.0	*	13.3
Community services	5.9	12.2	*	21.4	8.2	13.5	*	30.2
Recreation personal and other services		4.7		5.4		6.0		7.7
Other industries	7.6	23.5	*	35.0	8.1	24.2	*	37.3
Not employed		4.9		4.9		4.9	*	6.7
Total	71.4	73.4	34.3	198.2	80.3	77.7	37.5	234.0
DID NOT INTEND TO RETIRE EARLY(a)								
Agriculture, mining	20.2	*	18.3	51.2	24.3	*	20.6	60.7
Manufacturing	112.0	22.1	11.1	161.8	132.0	24.2	13.2	190.9
Construction	33.3	4.8	5.5	51.9	33.9	4.8	5.6	52.8
Wholesale and retail trades	46.3	12.3	16.3	90.7	59.9	13.4	21.7	118.7
Transport and storage	24.2	6.9	*	39.1	24.9	7.6	*	41.1
Finance, property, business services	9.9	6.4	7.1	27.8	14.1	6.9	9.4	36.1
Community services	23.9	10.3	*	41.3	47.1	17.2	4.5	82.6
Recreation, personal and other services	10.6	5.0		18.8	15.8	6.4		26.7
Other industries	28.2	22.2	*	58.2	32.9	25.0	*	67.9
Not employed	19.9	*	*	26.2	28.4	*	*	38.9
Total	328.5	89.9	68.6	566.9	413.3	104.9	85.6	716.6
TOTAL								
Agriculture, mining	23.3	5.5	23.5	65.2	27.8	5.7	25.8	75.7
Manufacturing	134.0	33.1	18.6	206.5	156.1	36.5	21.2	243.3
Construction	42.1	6.5	8.2	68.1	42.9	6.5	8.2	69.8
Wholesale and retail trades	55.7	18.0	23.7	115.7	70.8	19.8	30.0	152.6
Transport and storage	30.8	15.8	5.6	59.0	31.6	16.5	5.9	61.7
Finance, property, business services	11.5	12.2	10.1	39.6	16.1	12.9	12.6	49.5
Community services	29.8	22.5	*	62.7	55.2	30.7	6.7	112.8
Recreation, personal and other services	13.5	6.8		24.2	19.2	*	5.8	34.5
Other industries	35.8	45.6	*	93.1	41.0	49.2	*	105.1
Not employed	23.4	*	*	31.1	32.8	*	*	45.6
Total	399.9	163.3	102.9	765.1	493.5	182.6	123.1	950.6

(a) Before age 65 years for males or age 60 years for females. (b) Includes all other sources of income.

**TABLE 20. PERSONS AGED 50 TO 69 YEARS WHO INTEND TO RETIRE FROM THE FULL-TIME LABOUR FORCE : OCCUPATION, EXPECTED MAIN SOURCE OF INCOME AFTER RETIREMENT AND WHETHER INTENDED WORKING PART-TIME AFTER RETIREMENT, MAY 1980**  
( ' 000)

Occupation	Males				Persons			
	Expected main source of income				Expected main source of income			
	Government pension	Super-annuation	Investments, savings, sale of assets	Total(a)	Government pension	Super-annuation	Investments, savings, sale of assets	Total(a)
<b>INTENDED WORKING PART-TIME AFTER RETIREMENT</b>								
Professional, technical	4.8	5.9	4.5	20.9	8.8	7.1	5.1	29.8
Administrative, executive, managerial	*	5.6	9.2	23.4	4.5	5.6	10.5	26.2
Clerical	6.8		*	8.9	6.1	5.1		15.6
Sales	5.5		*	9.3	4.8	*	*	12.2
Farmers, fishermen, timbergetters, etc.	8.1	*	10.6	24.0	9.0	*	11.1	26.5
Transport and communications	6.0		*	9.4	4.7	*	*	9.9
Tradesmen, miners, etc.(b)	25.9	6.0	6.6	47.1	26.4	6.0	6.6	48.8
Service, sport and recreation	5.0		*	7.5	7.8	*	*	13.0
Not employed	7.3	*	*	9.5	8.5	*	*	11.3
<b>Total</b>	<b>65.8</b>	<b>26.1</b>	<b>36.2</b>	<b>160.0</b>	<b>80.5</b>	<b>27.8</b>	<b>40.3</b>	<b>193.4</b>
<b>DID NOT INTEND WORKING PART-TIME</b>								
Professional, technical	7.3	18.0	*	29.4	11.1	21.6	5.4	41.4
Administrative, executive, managerial	9.5	13.3	10.5	35.4	11.3	14.8	12.7	43.2
Clerical	10.6	17.1	*	32.2	24.4	22.1	5.5	59.4
Sales	11.1	*	5.1	22.2	15.6	*	7.5	32.6
Farmers, fishermen, timbergetters, etc.	10.8	*	6.3	20.1	12.4	*	7.0	24.1
Transport and communication	20.0	9.4	*	34.6	21.4	10.2	*	38.3
Tradesman, miners, etc.(b)	126.2	32.6	9.4	181.2	138.2	34.8	9.6	199.0
Service sport and recreation	21.1	5.0	*	28.4	33.5	6.8	*	47.5
Not employed	10.9	*	*	13.3	14.9	*	*	19.5
<b>Total</b>	<b>227.5</b>	<b>100.8</b>	<b>42.8</b>	<b>396.7</b>	<b>282.8</b>	<b>115.8</b>	<b>54.1</b>	<b>505.1</b>
<b>DID NOT KNOW WHETHER WOULD WORK PART-TIME</b>								
Professional, technical	*	8.2	*	18.5	4.9	9.4	*	23.3
Administrative, executive, managerial	6.2	7.0	5.6	26.1	7.1	7.0	6.7	28.6
Clerical	4.8	*	*	10.0	10.0	4.5		19.3
Sales	5.3	4.8		13.7	7.1	5.3		18.1
Farmers, fishermen, timbergetters, etc.	9.9	*	5.7	21.3	11.0	*	6.8	24.0
Transport and communication	10.5	*	*	14.8	11.5	*	*	16.5
Tradesmen, miners, etc.(b)	52.0	11.7	4.8	82.9	55.9	11.9	5.1	87.9
Service, sport and recreation	9.4	*	*	12.9	13.3	*	*	19.7
Not employed	5.3	*	*	8.3	9.4	*	*	14.7
<b>Total</b>	<b>106.6</b>	<b>36.4</b>	<b>23.9</b>	<b>208.4</b>	<b>130.2</b>	<b>39.0</b>	<b>28.7</b>	<b>252.2</b>
<b>TOTAL</b>								
Professional, technical	15.3	32.1	10.9	68.8	24.8	38.1	13.5	94.6
Administrative, executive, managerial	19.8	25.9	25.3	84.9	22.9	27.3	29.8	98.0
Clerical	18.8	24.2	*	51.0	40.4	30.0	7.2	94.3
Sales	20.4	7.4	10.2	45.2	27.5	7.6	13.6	62.9
Farmers, fishermen, timbergetters, etc.	28.8	*	22.7	65.4	32.4	*	24.9	74.6
Transport and communication	34.8	12.7	4.9	58.8	37.6	13.5	5.7	64.7
Tradesmen, miners, etc.(b)	204.2	50.3	20.7	311.2	220.5	52.6	21.3	335.8
Service, sport and recreation	34.4	7.4	*	48.8	54.6	9.9	*	80.2
Not employed	23.4	*	*	31.1	32.8	*	*	45.6
<b>Total</b>	<b>399.9</b>	<b>163.3</b>	<b>102.9</b>	<b>765.1</b>	<b>493.6</b>	<b>182.6</b>	<b>123.1</b>	<b>950.6</b>

(a) Includes all other sources of income. (b) Includes miners and quarrymen, tradesmen, production-process workers and labourers, n.e.c.

**TABLE 21. HOUSING ARRANGEMENTS (a) OF PERSONS AGED 50 TO 69 YEARS WHO INTEND TO RETIRE FROM THE FULL-TIME LABOUR FORCE; EXPECTED MAIN SOURCE OF INCOME AND EXPECTED HOUSING ARRANGEMENTS (a) AFTER RETIREMENT AND HOUSING ARRANGEMENTS (a) AT MAY 1980**  
( ' 000)

	Housing arrangements(a) at May 1980						
Expected housing arrangements at retirement(a)	Renting			Paying off home	Owns home	Live rent free	Total(b)
	Housing Commission	Someone else	Total				
GOVERNMENT PENSION							
Renting	17.9	41.4	59.3	*	*	*	60.4
From Housing Commission(c)	17.3	*	18.3	*	*	*	18.7
From other than Housing Commission	*	40.4	41.0	*	*	*	41.6
Paying off home	*	*	4.6	45.5	*	*	50.8
Owns home	*	8.0	8.4	66.5	198.7	*	274.9
Other	*	*	*	*	*	*	4.7
Not known	*	12.7	13.8	16.7	4.5	6.2	43.4
Total	19.7	66.7	86.4	129.4	203.8	15.6	442.1
SUPERANNUATION							
Renting	*	9.7	14.0	*	*	*	14.0
From other than Housing Commission	*	9.7	9.8	*	*	*	9.8
Paying off home	*	*	*	26.9	*	*	28.8
Owns home	*	*	*	34.3	78.9	*	116.5
Not known	*	*	4.6	5.2	*	*	11.3
Total(b)	5.4	17.5	23.0	66.3	79.3	*	172.6
INVESTMENTS, SAVINGS, SALE OF ASSETS							
Renting	*	*	*	*	*	*	*
Paying off home	*	*	*	5.9	*	*	8.3
Owns home	*	*	*	14.1	73.4	*	90.1
Not known	*	*	*	*	*	*	6.9
Total(b)	*	7.9	8.1	22.0	76.7	*	110.3
TOTAL(d)							
Renting	24.6	61.3	85.9	*	*	*	87.5
From Housing Commission(c)	23.6	*	24.6	*	*	*	25.1
From other than Housing Commission	*	60.3	61.3	*	*	*	62.4
Paying off home	*	7.4	8.0	86.2	*	*	96.7
Owns home	*	12.8	13.5	130.0	403.4	*	550.7
Live rent free	*	*	*	*	*	10.3	11.9
Other	*	*	*	*	*	*	6.8
Not known	*	24.0	26.9	29.6	9.4	7.6	77.8
Total	28.7	106.7	135.4	246.8	414.5	22.3	831.3

(a) See footnote (a) to Table 12. (b) Includes other housing arrangements. (c) Includes all State and Territory housing authorities. (d) Includes other sources of income after retirement.

TABLE 22. PERSONS AGED 50 TO 69 YEARS WHO CLAIMED THAT THEY WOULD NEVER RETIRE FROM THE FULL-TIME LABOUR FORCE: SUMMARY OF CHARACTERISTICS, MAY 1980  
( ' 000)

	Males				Persons			
	Current age (years)			Total	Current age (years)			Total
	50-54	55-59	60-69		50-54	55-59	60-69	
<b>Total</b>	<b>22.2</b>	<b>22.9</b>	<b>17.3</b>	<b>62.4</b>	<b>28.3</b>	<b>27.1</b>	<b>22.7</b>	<b>78.2</b>
Employment status—								
Employed full time(a)	20.8	21.8	16.4	58.9	26.4	25.6	21.3	73.2
Wage or salary earner	9.1	7.4	4.8	21.3	12.5	8.8	7.1	28.4
Employer	6.2	5.8	*	15.4	7.4	5.9	4.5	17.9
Self employed	5.5	8.4	7.9	21.9	6.5	10.4	9.3	26.2
Other(b)	*	*	*	*	*	*	*	4.9
Occupation—								
Professional and technical	4.7		*	5.9	6.6		*	8.5
Administrative, executive, managerial	8.2		*	11.4	4.7	*	*	13.0
Farmers, fishermen, timbergetters	6.7	7.1	8.5	22.4	7.3	9.1	10.1	26.4
Tradesmen etc.(c)	*	5.7		9.8	4.7	4.6	*	11.1
Other occupations(d)	5.5	4.5	*	13.0	8.1	6.1	5.1	19.2
Industry—								
Agriculture, mining	7.2	7.4	8.3	22.8	7.7	9.3	9.8	26.9
Manufacturing	5.1		*	6.3	5.9		*	8.4
Wholesale and retail trade	*	4.7	*	11.5	4.7	5.0	*	13.8
Other industries(d)	9.4	7.9	4.5	21.8	13.0	9.8	6.3	29.1
State—								
New South Wales	8.2	10.1	6.0	24.3	11.5	11.7	8.5	31.7
Victoria	5.9	5.9	5.7	17.4	7.0	6.8	6.9	20.8
Queensland	4.3	3.6	*	10.6	5.4	4.7	*	13.4
South Australia	2.7		*	4.1	3.3		*	4.8
Western Australia	3.4		*	4.3	3.6		*	4.9
Tasmania	*	*	*	*	*	*	*	1.7
<b>Australia(e)</b>	<b>22.2</b>	<b>22.9</b>	<b>17.3</b>	<b>62.4</b>	<b>28.3</b>	<b>27.1</b>	<b>22.7</b>	<b>78.2</b>

(a) Includes full-time workers n.e.c. (b) Comprises persons employed part-time, looking for full-time or part-time work or not in the labour force at the time of the survey. (c) Includes miners and quarrymen, tradesmen, production-process workers and labourers n.e.c. (d) Includes persons looking for work or not in the labour force. (e) Includes the Northern Territory and the Australian Capital Territory.

## TECHNICAL NOTE

### Estimation procedure

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

### Reliability of the estimates

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

3. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors for general application is given on the following page. These figures will not give a precise measure of the standard error of a particular estimate since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics. However, they will provide an indication of the magnitude of the standard error. An example of the calculation and use of standard errors is as follows: the estimated number of males aged 50 to 69 years who had retired is 420,000 (Table 1). From the table on the following page it can be calculated that the estimate has a standard error of about 6,700 and therefore there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall within the range 413,300 to 426,700 and about nineteen chances in twenty that it will fall within the range 406,600 to 433,400.

4. The reliability of an estimated percentage or rate, computed by using sample data for both numerator and denominator, depends upon both the size of the numerator and the size of the denominator. For small percentages the relative standard error of the percentage is approximated by the relative standard error of the numerator, which may be obtained from the table. For other percentages the relative standard error will be lower than that of the numerator.

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

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

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

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

7. An example of the use of the above formula is as follows: the difference between the estimates of males and females in Australia aged 50 to 69 years who had retired (Table 1) is 527,900 (947,900-420,000). The standard error of this estimate may be calculated as follows: from the table on the following page, the standard errors of the two original estimates can be approximated as 8,900 and 6,700 respectively. Therefore the standard error of the difference (527,900) is:

$\sqrt{(8,900)^2 + (6,700)^2}$  or 11,100 (rounded to the nearest 100). Thus there are about two chances in three that the difference that would have been obtained if all dwellings had been included in the survey is within the range 516,800 to 539,000 and about nineteen chances in twenty that it is between 505,700 and 550,100.

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

## STANDARD ERRORS OF ESTIMATES

Size of estimate	N.S.W.	Vic.	Qld	S.A. —number—	W.A.	Tas.	N.T.	A.C.T.	Australia	
									Relative standard error (per cent)	
1,500						300				
2,000						340	470	440		
2,500				510	510	380	510	480		
3,000				550	560	410	550	510		
3,500			740	590	590	430	590	540		
4,000			780	620	630	460	620	560		
4,500	1,000	1,000	820	650	660	480	650	590	970	21.6
5,000	1,100	1,100	860	680	690	500	680	610	1,000	20.0
6,000	1,200	1,200	930	730	750	530	740	650	1,100	18.0
10,000	1,500	1,400	1,200	900	920	640	910	750	1,400	14.0
20,000	2,000	1,900	1,500	1,200	1,200	810	1,200	910	2,000	10.0
50,000	3,000	2,700	2,200	1,600	1,700	1,100	1,700	1,100	2,900	5.8
100,000	3,900	3,500	2,800	2,100	2,100	1,300		1,300	3,900	3.9
200,000	5,000	4,400	3,600	2,600	2,600	1,500			5,100	2.6
300,000	5,800	5,000	4,100	2,900	2,900				6,000	2.0
500,000	6,900	5,800	4,800	3,300	3,300				7,200	1.4
1,000,000	8,500	7,000	5,900						9,100	0.9
2,000,000	10,000	8,400							11,000	0.6

— Estimates below the levels indicated have not been published—see paragraph 5 of the Technical note.



