



# LOCATIONS OF WORK

AUSTRALIA

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- For further information about these and related statistics, contact the National Information Service on 1300 135 070 or Wendy Prowd on Canberra 02 6252 7508.

# NOTES

## ABOUT THIS PUBLICATION

This publication presents information about the types of places where people work with particular focus on persons employed at home.

Statistics in this publication were obtained from the Locations of Work Survey, conducted throughout Australia in June 2000 as a supplement to the Australian Bureau of Statistics monthly Labour Force Survey.

The survey provides information on locations of work for employed persons at work during the survey reference week. Further details were collected from persons employed at home including occupation, industry, superannuation coverage and time in job at home. This information is cross-classified by a range of demographic characteristics such as age, sex and country of birth.

## CHANGES SINCE PREVIOUS PUBLICATION

Results of similar surveys, conducted in April 1989, March 1992 and September 1995 were published in *Persons Employed at Home, Australia* (Cat. No. 6275.0). This survey was redesigned and renamed Locations of Work for June 2000. A number of changes were made to the survey population. The survey population was limited to employed persons at work during the reference week. The definition of persons employed at home was widened to include: farmers who only or mainly worked at home; employees who worked some hours at home with the agreement of their employer; and work undertaken at both the respondent's own home and another home, excluding their employer or client's home. The survey also collected information about all the types of places where people work rather than only concentrating on whether any work was done at home as in previous surveys. Refer to Explanatory Notes for additional information.

## ROUNDING

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



## ABBREVIATIONS

ABS	Australian Bureau of Statistics
ANZSIC	Australian and New Zealand Standard Industrial Classification
ASCO	Australian Standard Classification of Occupations (second edition)
LFS	Labour Force Survey
RSE	Relative standard error
SE	Standard error

Dennis Trewin  
Australian Statistician

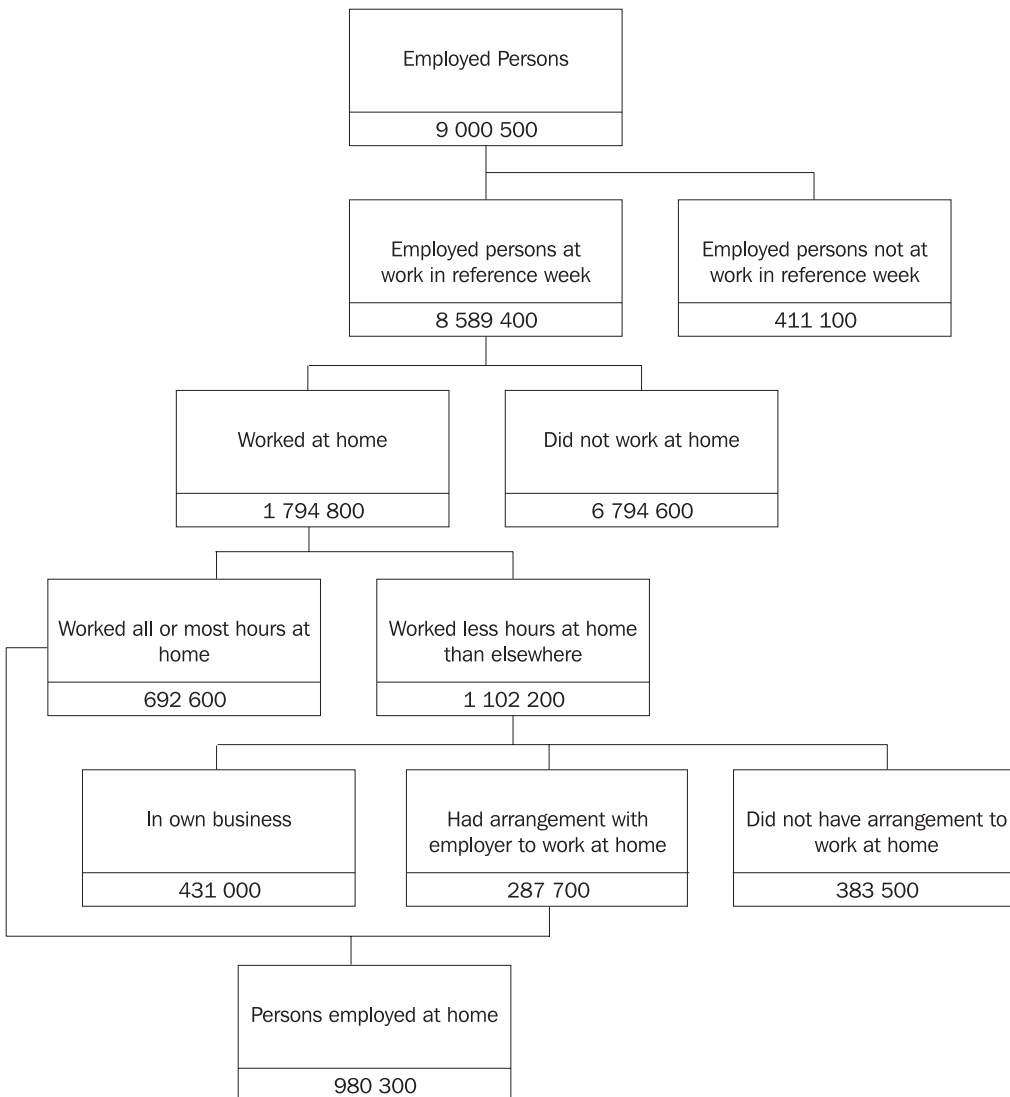
# CONCEPTUAL FRAMEWORK

## CONCEPTUAL FRAMEWORK

The following diagram illustrates the framework for the Locations of Work Survey. Employed persons were asked about all the different types of locations where they worked last week (the reference week) and were classified by whether or not they worked at home in either their main or second job.

Persons who worked some hours at home were further classified according to whether they worked more hours at home than elsewhere in that job or less hours at home than elsewhere. Employees who worked less hours at home than elsewhere were then asked whether they had an arrangement with their employer to work at home or not. 'Home' included own home and the home of someone else other than their employer or client.

For the purposes of this survey, persons employed at home are therefore defined as employed persons who worked all or most hours at home and employees who had an arrangement with their employer to work some hours at home, in their main or second job in the reference week.



## SUMMARY OF FINDINGS

### ALL LOCATIONS OF WORK

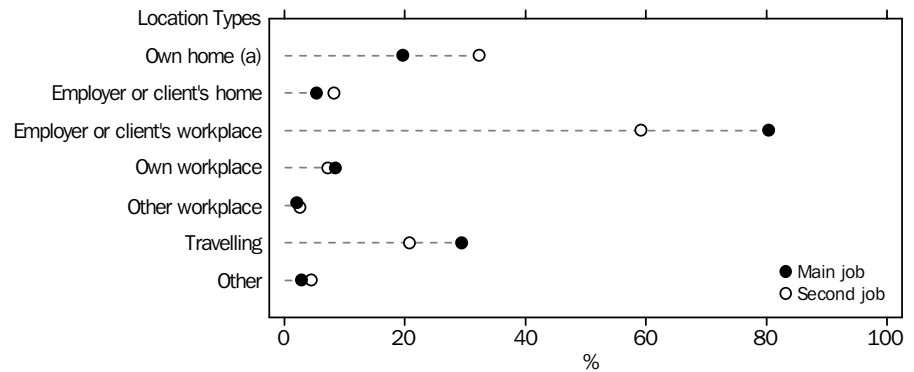
There were 8,589,400 employed persons at work in June 2000. In their main job (i.e. the job in which they worked the most hours):

- 80% had worked at their employer or client's workplace during the week;
- 31% spent time travelling for work;
- 20% worked at their own or another home (other than their employer or client's);
- 8% had worked in their own workplace;
- 5% had worked at their employer or client's home; and
- 3% had worked in other places such as forests, parks or streets.

Some 36% of people had worked in two or more location types in their main job.

Some 421,400 persons were multiple job holders. These people were most likely to have worked at their employer or client's workplace in their second job (59%). One in three of these persons worked at home in their second job (32%) and 21% spent time driving or travelling for work in this job.

ALL LOCATIONS OF WORK, EMPLOYED PERSONS BY MAIN AND SECOND JOB



(a) Includes another home other than their employer's or client's home.

### MAIN LOCATION OF WORK

For employed persons at work in June 2000 information is also available on their main location of work, which is the place where the most hours were worked in the reference week, in their main job.

The majority of persons at work mainly worked at business premises in their main job (81% of males and 87% of females). Females were more likely than males to have mainly worked at home (8% and 6% respectively) but less likely than males to have mainly travelled for work (1% and 7% respectively).

The vast majority of persons at work were employees (87%). Employees were most likely to have mainly worked at business premises in their main job (89%), with only 3% mainly working at home. In contrast to employees, a smaller proportion of own account workers and employers mainly worked at business premises (47%) and a larger proportion mainly worked at home (32%).

### PERSONS EMPLOYED AT HOME

In June 2000, 21% of persons at work (1,794,800) worked some hours at home in either their main or second job.

Some 980,300 persons were classified as persons employed at home (11% of people at work). This group is comprised of 692,600 persons who only or mainly worked at home during the reference week and 287,700 employees who, though

## SUMMARY OF FINDINGS *continued*

### PERSONS EMPLOYED AT HOME *continued*

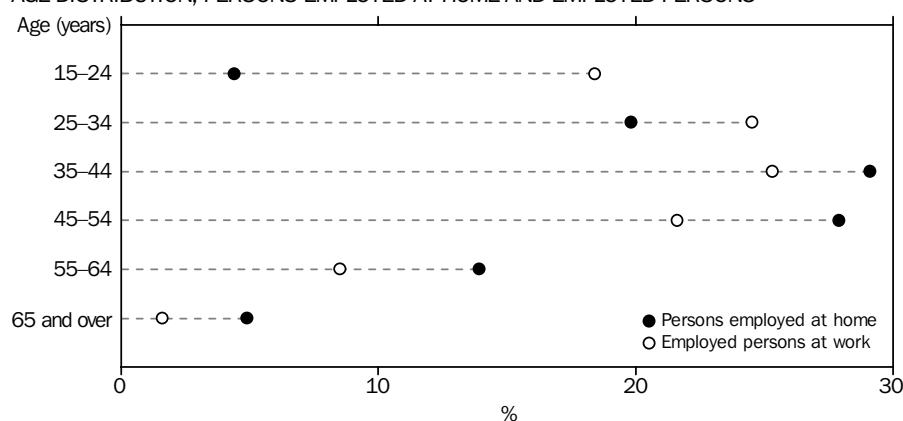
working less hours at home than elsewhere, had an arrangement with their employer to work at home.

#### *Personal characteristics*

Of the 980,300 persons employed at home:

- 49% were female compared with 44% of all persons at work;
- 76% were 35 years and over compared to 57% of all persons at work; and
- 38% were parents of children aged less than 15 years compared with 31% of all persons at work.

AGE DISTRIBUTION, PERSONS EMPLOYED AT HOME AND EMPLOYED PERSONS



#### *Employment characteristics*

A smaller proportion of persons employed at home were employees (58%) than of all people at work (87%). Conversely, self-employed people were a greater proportion of persons employed at home (38%) than of all persons at work (12%).

For males employed at home the most common occupation groups were Managers and administrators (35%), Professionals (28%) and Associate professionals (13%). The most common occupation groups for females employed at home were Professionals (23%), Advanced clerical and service workers (21%) and Intermediate clerical, sales and service workers (19%).

OCCUPATION, PERSONS EMPLOYED AT HOME BY SEX



Almost one quarter of persons employed at home (23%) worked in the Agriculture, forestry and fishing industry. A further 15% of persons employed at home worked in

## SUMMARY OF FINDINGS *continued*

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### *Employment characteristics continued*

Property and business services and 9% in Education. There were very few persons employed at home in the Mining; Electricity, gas and water supply; and Communication services industries.

Other characteristics of persons employed at home include:

- Over half the persons employed at home (51%) had worked in that job at home for five years or more.
- The main reason given for working at home was to operate own or family business, with 51% of females and 46% of males reporting this. To catch up on work was next, reported by 15% as their main reason for working at home.
- Some 64% of persons employed at home used information technology at home in that job. Information technology usage was slightly higher for females (66%) than males (63%), however internet usage was higher for males (43%) than females (35%).

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## ALL LOCATIONS OF WORK, Employed Persons at Work in Reference Week

	Main job	Second job
	'000	'000
MALES		
<b>Locations of work</b>		
Own home(a)	999.3	66.8
Own home	974.6	64.6
Another home(b)	51.5	*4.0
Employer or client's home	340.4	16.0
Business premises	4 259.5	126.1
Employer or client's workplace	3 744.3	101.7
Own workplace	503.3	20.3
Other workplace	135.7	6.5
Travelling	1 919.4	57.0
Other	186.0	13.2
<b>Total(c)</b>	<b>4 830.8</b>	<b>194.4</b>
FEMALES		
<b>Locations of work</b>		
Own home(a)	714.4	69.7
Own home	705.9	68.7
Another home(b)	24.1	*2.6
Employer or client's home	125.3	18.5
Business premises	3 378.2	160.9
Employer or client's workplace	3 136.4	146.7
Own workplace	223.3	10.3
Other workplace	50.0	4.6
Travelling	701.2	31.4
Other	80.8	6.0
<b>Total(c)</b>	<b>3 758.6</b>	<b>226.9</b>
PERSONS		
<b>Locations of work</b>		
Own home(a)	1 713.7	136.5
Own home	1 680.5	133.3
Another home(b)	75.5	6.6
Employer or client's home	465.8	34.6
Business premises	7 637.7	286.9
Employer or client's workplace	6 880.7	248.5
Own workplace	726.5	30.6
Other workplace	185.7	11.1
Travelling	2 620.5	88.4
Other	266.8	19.3
<b>Total(c)</b>	<b>8 589.4</b>	<b>421.4</b>

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

(a) Includes another home.

(b) Excludes employer or client's home.

(c) People appear in more than one category, therefore categories do not add to totals.



**2**

NUMBER OF LOCATIONS OF WORK, Employed Persons at Work in Reference Week

	MAIN JOB . . . . .			SECOND JOB . . . . .		
	<i>Work at one location only</i>	<i>Work at 2 or more locations</i>	<i>Total</i>	<i>Work at one location only</i>	<i>Work at 2 or more locations</i>	<i>Total</i>
	'000	'000	'000	'000	'000	'000
<b>All locations of work</b>						
Own home(a)	283.2	1 430.5	1 713.7	56.2	80.3	136.5
Employer or client's home	76.5	389.3	465.8	17.0	17.6	34.6
Business premises	4 992.4	2 645.3	7 637.7	216.5	70.5	286.9
Travelling	103.9	2 516.6	2 620.5	6.4	82.0	88.4
Other	40.7	226.1	266.8	11.2	8.1	19.3
<b>Total(b)</b>	<b>5 496.7</b>	<b>3 092.7</b>	<b>8 589.4</b>	<b>307.2</b>	<b>114.2</b>	<b>421.4</b>

(a) Includes another home.

(b) People appear in more than one category, therefore categories do not add to totals.

## MAIN LOCATION OF WORK, Employed Persons at Work in Reference Week

## MAIN LOCATION OF WORK IN MAIN JOB . . . . .

	Own home(a)	Employer or client's home	Business premises	Travelling	Other	Total
	'000	'000	'000	'000	'000	'000
MALES						
<b>Age group (years)</b>						
15-24	15.3	29.0	740.8	22.1	12.6	819.8
25-34	40.5	51.6	1 007.3	80.7	12.4	1 192.5
35-44	62.4	59.1	985.1	93.9	19.4	1 219.9
45-54	82.5	46.3	799.8	89.9	16.5	1 034.9
55-64	61.1	17.6	335.7	42.6	6.5	463.5
65 and over	31.7	*4.4	53.2	5.9	5.0	100.2
<b>Whether had any child(ren) under 15 years</b>						
Had child(ren) under 15 years	84.9	80.6	1 240.8	124.4	22.2	1 553.1
Did not have child(ren) under 15 years	208.5	127.5	2 681.0	210.6	50.2	3 277.8
<b>Total</b>	<b>293.4</b>	<b>208.1</b>	<b>3 921.9</b>	<b>335.0</b>	<b>72.4</b>	<b>4 830.8</b>
FEMALES						
<b>Age group (years)</b>						
15-24	8.7	8.5	735.6	7.1	*4.1	764.1
25-34	59.9	15.0	814.7	12.3	5.7	907.7
35-44	100.6	21.4	807.2	15.9	8.3	953.5
45-54	88.5	23.5	690.9	14.1	5.4	822.4
55-64	47.5	9.4	210.1	*1.8	*2.2	271.0
65 and over	11.7	*1.3	25.9	**0.4	**0.5	39.8
<b>Whether had any child(ren) under 15 years</b>						
Had child(ren) under 15 years	142.9	29.7	918.4	20.7	8.3	1 120.0
Did not have child(ren) under 15 years	174.1	49.5	2 365.9	31.0	18.1	2 638.6
<b>Total</b>	<b>317.0</b>	<b>79.2</b>	<b>3 284.3</b>	<b>51.7</b>	<b>26.3</b>	<b>3 758.6</b>
PERSONS						
<b>Age group (years)</b>						
15-24	23.9	37.6	1 476.4	29.2	16.7	1 583.9
25-34	100.4	66.7	1 821.9	93.0	18.1	2 100.1
35-44	163.1	80.6	1 792.3	109.8	27.7	2 173.5
45-54	171.0	69.8	1 490.7	104.0	21.9	1 857.3
55-64	108.6	27.0	545.8	44.3	8.8	734.5
65 and over	43.4	5.7	79.1	6.3	5.6	140.0
<b>Whether had any child(ren) under 15 years</b>						
Had child(ren) under 15 years	227.8	110.3	2 159.2	145.2	30.5	2 673.1
Did not have child(ren) under 15 years	382.6	177.0	5 047.0	241.6	68.2	5 916.3
<b>Total</b>	<b>610.4</b>	<b>287.3</b>	<b>7 206.2</b>	<b>386.7</b>	<b>98.8</b>	<b>8 589.4</b>

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

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

(a) Includes another home.

## MAIN LOCATION OF WORK IN MAIN JOB .....

	Employer or client's					Total
	Own home(a)	home	Business premises	Travelling	Other	
	'000	'000	'000	'000	'000	'000
MALES						
New South Wales	83.5	61.8	1 361.2	113.1	18.8	1 638.5
Victoria	83.1	47.2	977.1	84.2	15.4	1 207.0
Queensland	56.8	41.7	725.8	63.8	16.2	904.2
South Australia	29.3	21.2	281.3	26.1	7.1	364.9
Western Australia	26.1	23.8	395.3	32.6	10.4	488.1
Tasmania	9.5	6.5	75.4	7.7	*3.4	102.5
Northern Territory(b)	*1.2	*2.1	33.2	*3.7	*0.9	41.2
Australian Capital Territory	*3.9	*3.9	72.6	*3.8	**0.2	84.4
<b>Australia</b>	<b>293.4</b>	<b>208.1</b>	<b>3 921.9</b>	<b>335.0</b>	<b>72.4</b>	<b>4 830.8</b>
FEMALES						
New South Wales	93.9	19.7	1 129.5	16.3	5.8	1 265.1
Victoria	82.9	22.7	839.1	13.6	7.2	965.5
Queensland	64.6	18.2	585.9	11.2	6.7	686.7
South Australia	25.4	7.2	241.3	*3.0	*2.5	279.4
Western Australia	33.8	6.7	326.0	5.4	*2.9	374.8
Tasmania	9.7	*2.5	65.3	*1.1	**0.4	79.1
Northern Territory(b)	*1.8	*1.1	29.3	**0.5	**0.1	32.8
Australian Capital Territory	4.9	*1.2	67.9	**0.6	**0.7	75.3
<b>Australia</b>	<b>317.0</b>	<b>79.2</b>	<b>3 284.3</b>	<b>51.7</b>	<b>26.3</b>	<b>3 758.6</b>
PERSONS						
New South Wales	177.4	81.5	2 490.7	129.4	24.6	2 903.6
Victoria	166.0	69.9	1 816.3	97.8	22.6	2 172.5
Queensland	121.4	59.9	1 311.7	75.0	22.9	1 590.9
South Australia	54.6	28.4	522.6	29.1	9.6	644.3
Western Australia	59.9	30.5	721.2	38.0	13.3	862.9
Tasmania	19.2	8.9	140.8	8.8	*3.8	181.6
Northern Territory(b)	*3.1	*3.1	62.5	*4.2	*1.1	74.0
Australian Capital Territory	8.7	5.1	140.5	*4.5	*0.9	159.7
<b>Australia</b>	<b>610.4</b>	<b>287.3</b>	<b>7 206.2</b>	<b>386.7</b>	<b>98.8</b>	<b>8 589.4</b>

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

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

(a) Includes another home.

(b) Refers to mainly urban areas only.

## BIRTHPLACE AND PERIOD OF ARRIVAL, Employed Persons at Work in Reference Week

## MAIN LOCATION OF WORK IN MAIN JOB . . . . .

	Own home(a)	Employer or client's home	Business premises	Travelling	Other	Total
	'000	'000	'000	'000	'000	'000
MALES						
<b>Birthplace and period of arrival</b>						
Born in Australia	234.2	163.1	2 900.4	255.3	58.3	3 611.3
Born outside Australia	59.2	45.0	1 021.5	79.7	14.1	1 219.5
Born in main English speaking countries	32.2	30.2	427.7	38.1	6.5	534.7
Born in other countries	27.0	14.8	593.8	41.6	7.6	684.8
Arrived before 1971	28.8	17.1	312.2	32.7	6.5	397.3
Arrived 1971–1980	8.9	9.7	197.7	16.1	*2.9	235.3
Arrived 1981–1990	14.7	8.9	278.0	17.1	*2.2	320.9
Arrived 1991 to survey date	6.8	9.3	233.7	13.8	*2.4	266.0
<b>Total</b>	<b>293.4</b>	<b>208.1</b>	<b>3 921.9</b>	<b>335.0</b>	<b>72.4</b>	<b>4 830.8</b>
FEMALES						
<b>Birthplace and period of arrival</b>						
Born in Australia	251.2	63.4	2 513.7	40.9	19.9	2 889.2
Born outside Australia	65.7	15.8	770.6	10.8	6.4	869.3
Born in main English speaking countries	32.1	10.6	320.7	6.3	*2.5	372.2
Born in other countries	33.6	5.2	449.9	*4.5	*3.9	497.1
Arrived before 1971	29.9	5.2	198.0	*3.3	*2.3	238.6
Arrived 1971–1980	13.2	*2.7	161.6	*3.3	*1.3	182.1
Arrived 1981–1990	14.4	*3.7	238.9	*2.7	*2.1	261.8
Arrived 1991 to survey date	8.1	*4.3	172.2	*1.5	*0.8	186.9
<b>Total</b>	<b>317.0</b>	<b>79.2</b>	<b>3 284.3</b>	<b>51.7</b>	<b>26.3</b>	<b>3 758.6</b>
PERSONS						
<b>Birthplace and period of arrival</b>						
Born in Australia	485.5	226.5	5 414.1	296.2	78.2	6 500.6
Born outside Australia	124.9	60.8	1 792.1	90.5	20.5	2 088.8
Born in main English speaking countries	64.3	40.8	748.4	44.4	9.0	906.9
Born in other countries	60.6	20.1	1 043.7	46.1	11.5	1 181.9
Arrived before 1971	58.7	22.3	510.1	35.9	8.8	635.9
Arrived 1971–1980	22.2	12.4	359.3	19.4	*4.1	417.4
Arrived 1981 to 1990	29.1	12.6	516.9	19.8	*4.3	582.7
Arrived 1991 to survey date	14.9	13.6	405.8	15.4	*3.2	452.9
<b>Total</b>	<b>610.4</b>	<b>287.3</b>	<b>7 206.2</b>	<b>386.7</b>	<b>98.8</b>	<b>8 589.4</b>

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

(a) Includes another home.

## MAIN LOCATION OF WORK IN MAIN JOB . . . . .

	<i>Own home(a)</i>	<i>Employer or client's home</i>	<i>Business premises</i>	<i>Travelling</i>	<i>Other</i>	<i>Total</i>
	'000	'000	'000	'000	'000	'000
<b>Status in employment</b>						
Employee	252.9	166.1	6 695.6	306.7	74.7	7 496.0
Employer	63.2	26.3	185.7	12.0	5.4	292.7
Own account worker	260.2	92.9	296.6	67.0	16.1	732.8
Contributing family worker	34.0	*2.0	28.2	*1.0	*2.6	67.9
<b>Full-time or part-time status</b>						
Full-time worker	360.5	201.4	5 363.0	326.1	71.7	6 322.8
Part-time worker	249.9	85.9	1 843.2	60.6	27.0	2 266.6
<b>Whether single or multiple jobholder</b>						
Single job holder	566.7	268.7	6 868.4	373.2	91.0	8 168.0
Multiple job holder	43.7	18.6	337.8	13.5	7.8	421.4
<b>Total</b>	<b>610.4</b>	<b>287.3</b>	<b>7 206.2</b>	<b>386.7</b>	<b>98.8</b>	<b>8 589.4</b>

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

(a) Includes another home.

WHETHER HAS ARRANGEMENT TO WORK AT HOME . . .

	<i>Has arrangement to work at home</i>	<i>Does not have arrangement to work at home</i>	<i>Not applicable(a)</i>	<i>Total</i>
	'000	'000	'000	'000
<b>Single job holder</b>				
Only/mainly work at home(b)	144.7	19.4	402.5	566.7
Did some work at home(b)	269.0	365.7	405.1	1 039.8
Did not work at home	..	..	6 561.6	6 561.6
<b>Total</b>	<b>413.7</b>	<b>385.1</b>	<b>7 369.2</b>	<b>8 168.0</b>
<b>Multiple job holder</b>				
Only/mainly work at home(b)(c)	60.9	6.6	58.5	125.9
Did some work at home(b)(c)	18.7	17.8	25.9	62.4
Did not work at home	..	..	233.0	233.0
<b>Total</b>	<b>79.6</b>	<b>24.4</b>	<b>317.4</b>	<b>421.4</b>
<b>Employed persons at work</b>				
Only/mainly work at home(b)(c)	205.6	26.0	461.0	692.6
Did some work at home(b)(c)	287.7	383.5	431.0	1 102.2
Did not work at home	..	..	6 794.6	6 794.6
<b>Total</b>	<b>493.3</b>	<b>409.5</b>	<b>7 686.6</b>	<b>8 589.4</b>
<b>Persons employed at home</b>				
Only/mainly work at home(b)(c)	205.6	26.0	461.0	692.6
Did some work at home(b)(c)	287.7	..	..	287.7
Did not work at home	..	..	..	..
<b>Total</b>	<b>493.3</b>	<b>26.0</b>	<b>461.0</b>	<b>980.3</b>
<b>Total</b>	<b>493.3</b>	<b>409.5</b>	<b>7 686.6</b>	<b>8 589.4</b>

.. not applicable  
 (a) Includes persons in own business who worked at home and persons who did not do any work at home.  
 (b) Includes another home.  
 (c) In either main or second job.

## PERSONS EMPLOYED AT HOME, Selected Demographic Characteristics

	Males	Females	Persons
	'000	'000	'000
<b>Age group (years)</b>			
15-24	27.8	15.8	43.6
25-34	91.0	103.3	194.3
35-44	128.5	156.7	285.2
45-54	140.8	132.5	273.3
55-64	80.9	55.8	136.7
65 and over	34.3	12.8	47.1
<b>Whether had any child(ren) under 15 years</b>			
Had child(ren) under 15 years	176.3	200.6	377.0
Did not have child(ren) under 15 years	327.0	276.3	603.3
<b>Birthplace and period of arrival</b>			
Born in Australia	395.6	379.7	775.4
Born outside Australia	107.7	97.2	204.9
Born in main English speaking countries	57.8	50.9	108.7
Born in other countries	49.9	46.3	96.2
Arrived before 1971	46.8	40.8	87.6
Arrived 1971-1980	20.7	19.1	39.8
Arrived 1981-1990	25.9	24.3	50.3
Arrived 1991 to survey date	14.3	13.0	27.2
<b>Total</b>	<b>503.3</b>	<b>476.9</b>	<b>980.3</b>

	<i>Males</i>	<i>Females</i>	<i>Persons</i>
	'000	'000	'000
<b>Status in employment in job at home</b>			
Employee	303.2	265.2	568.4
Employer	34.1	37.6	71.7
Own account worker	153.7	149.0	302.7
Contributing family worker	12.3	25.1	37.4
<b>Full-time or part-time status(a)</b>			
Full-time worker	438.3	232.5	670.8
Part-time worker	65.0	244.5	309.5
<b>Time in job worked at home</b>			
Less than 1 year	84.0	79.6	163.6
1 year to less than 2 years	58.8	57.8	116.6
2 years to less than 5 years	93.5	105.5	199.0
5 years to less than 10 years	87.6	84.9	172.5
10 years or more	179.4	149.2	328.5
<b>Main basis of payment in job worked at home</b>			
Fixed salary	199.8	157.9	357.6
Wage	61.6	89.4	151.0
On completion of contract	23.0	17.6	40.6
Business income	149.7	133.1	282.8
On commission	14.1	10.2	24.3
By the piece/service produced	35.9	38.3	74.2
Other	19.2	30.5	49.7
<b>Main reason for working at home</b>			
To operate own business	230.2	243.9	474.0
Wanted home office/ no rent	37.3	32.7	69.9
Childcare/family considerations	6.7	30.7	37.4
Flexible working arrangements	60.4	46.9	107.3
To catch up on work	85.2	65.4	150.6
Condition of employment	54.4	38.8	93.2
Other	29.2	18.6	47.8
<b>Use of information technology in work at home</b>			
Use information technology in job at home	316.9	312.7	629.6
Use computer only	101.7	144.3	246.0
Use internet	215.2	168.4	383.5
Do not use information technology in job at home	186.4	164.3	350.7
<b>Job employed at home</b>			
Main job	454.8	418.9	873.8
Second job	36.7	46.5	83.2
Both jobs	11.8	11.5	23.3
<b>Total</b>	<b>503.3</b>	<b>476.9</b>	<b>980.3</b>

(a) Relates to all jobs.



	Males	Females	Persons
	'000	'000	'000
<b>Occupation</b>			
Managers and administrators	175.2	74.4	249.7
Professionals	139.2	110.2	249.4
Associate professionals	66.8	43.7	110.6
Tradespersons and related workers	42.8	9.8	52.6
Advanced clerical and service workers	7.9	101.2	109.0
Intermediate clerical, sales and service workers	26.4	91.4	117.8
Intermediate production and transport workers	11.8	6.3	18.0
Elementary clerical, sales and service workers	8.0	14.2	22.2
Labourers and related workers	18.5	16.4	34.9
<b>Industry</b>			
Agriculture, forestry and fishing	142.8	78.3	221.1
Mining	*0.8	*1.4	*2.3
Manufacturing	38.9	32.7	71.6
Electricity, gas and water supply	6.7	**0.2	6.9
Construction	26.6	51.1	77.7
Wholesale trade	29.6	17.2	46.8
Retail trade	19.2	28.8	48.1
Accommodation, cafes and restaurants	7.9	8.9	16.7
Transport and storage	10.0	17.6	27.6
Communication services	9.3	*3.6	12.9
Finance and insurance	23.5	11.0	34.5
Property and business services	81.9	67.0	148.9
Government administration and defence	10.7	7.7	18.5
Education	32.8	56.3	89.0
Health and community services	11.0	47.0	58.0
Cultural and recreational services	16.6	13.5	30.1
Personal and other services	27.9	25.5	53.4
<b>Total(a)</b>	<b>503.3</b>	<b>476.9</b>	<b>980.3</b>

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

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

(a) Includes 16,200 persons for whom industry and occupation were not determined.

## PERSONS EMPLOYED AT HOME, Hours worked at home

	FULL-TIME WORKER			PART-TIME WORKER		
	Males	Females	Persons	Males	Females	Persons
	'000	'000	'000	'000	'000	'000
PERSONS EMPLOYED AT HOME IN MAIN JOB						
<b>Hours worked at home in main job</b>						
Under 10 hours	124.3	63.0	187.3	28.9	118.4	147.3
10–19 hours	53.8	29.5	83.3	18.8	71.4	90.2
20–29 hours	33.9	23.4	57.3	11.7	27.9	39.6
30–34 hours	26.7	16.7	43.4	*3.1	6.7	9.8
35–39 hours	19.0	17.2	36.3	..	..	..
40 or more hours	144.5	53.6	198.1	..	..	..
Not determined	*2.0	**0.7	*2.7	—	*1.8	*1.8
<b>Total</b>	<b>404.2</b>	<b>204.2</b>	<b>608.4</b>	<b>62.4</b>	<b>226.2</b>	<b>288.7</b>
<b>Average hours worked at home in main job</b>	29.4	25.3	28.0	11.8	10.3	10.7
PERSONS EMPLOYED AT HOME IN SECOND JOB						
<b>Hours worked at home in second job</b>						
Under 10 hours	15.7	15.8	31.5	*4.4	18.2	22.6
10–19 hours	14.9	10.1	25.0	**0.4	5.4	5.8
20–29 hours	8.4	5.8	14.2	—	**0.1	**0.1
30–34 hours	*2.5	*1.1	*3.6	—	—	—
35–39 hours	**0.1	**0.7	*0.8	..	..	..
40 or more hours	*1.5	**0.3	*1.8	..	..	..
Not determined	**0.5	**0.4	*0.9	—	**0.2	**0.2
<b>Total</b>	<b>43.6</b>	<b>34.1</b>	<b>77.8</b>	<b>4.8</b>	<b>23.9</b>	<b>28.7</b>
<b>Average hours worked at home in second job</b>	13.8	11.7	12.9	*4.2	5.7	5.4
PERSONS EMPLOYED AT HOME						
<b>Total(a)</b>	<b>438.3</b>	<b>232.5</b>	<b>670.8</b>	<b>65.0</b>	<b>244.5</b>	<b>309.5</b>

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

.. not applicable

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

— nil or rounded to zero (including null cells)

(a) Includes 15,400 full-time workers and 7,900 part-time workers who did some work at home in both their main and second jobs.

	Males	Females	Persons
	'000	'000	'000
<b>Superannuation coverage</b>			
Provided by current employer	225.9	196.4	422.3
Provided by other than current employer	8.3	8.7	16.9
Does not belong to a superannuation scheme(a)	47.7	54.2	101.9
Not determined	21.5	5.9	27.4
<b>Workers' compensation coverage</b>			
Covered by workers' compensation	246.2	205.8	451.9
Does not have workers' compensation coverage(a)	57.1	59.4	116.5
<b>Trade union membership</b>			
Member of trade union	47.1	42.4	89.5
Not a member of trade union	232.6	215.0	447.5
Not determined	23.6	7.8	31.4
<b>Provision of paid sick leave</b>			
Receives sick leave	187.7	145.9	333.5
Does not receive sick leave	92.0	111.5	203.5
Not determined	23.6	7.8	31.4
<b>Provision of paid holiday leave</b>			
Receives holiday leave	191.3	146.2	337.5
Does not receive holiday leave	88.4	111.2	199.6
Not determined	23.6	7.8	31.4
<b>Leave entitlements(b)</b>			
With leave entitlements	193.4	150.2	343.6
Without leave entitlements	86.2	107.2	193.4
Not determined	23.6	7.8	31.4
<b>Total</b>	<b>303.2</b>	<b>265.2</b>	<b>568.4</b>

(a) Includes those who did not know.

(b) Refers to the entitlement of employees to either paid holiday leave or paid sick leave.

	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
	'000	'000	'000	'000	'000	'000	'000	'000	'000
MALES									
<b>Population 1:</b>									
Employed persons at work in reference week	1 638.5	1 207.0	904.2	364.9	488.1	102.5	41.2	84.4	4 830.8
<b>Population 2:</b>									
Multiple jobholders at work in reference week	53.9	51.5	37.6	16.4	24.6	*4.5	*2.0	*3.9	194.4
<b>Population 3:</b>									
Persons who did some work at home in main or second job(b)	312.6	278.5	193.2	86.1	115.4	22.0	8.3	19.0	1 035.1
<b>Population 4:</b>									
Persons employed at home in main or second job(c)	152.3	134.1	95.6	44.4	50.5	14.0	*3.4	9.1	503.3
<b>Population 5:</b>									
Employees employed at home in main or second job(c)	100.2	79.6	52.5	22.2	32.3	7.0	*2.5	6.9	303.2
<b>Population 6:</b>									
Employed persons who only/mainly work at home in main or second job, excluding farmers(b)(d)	56.8	54.2	38.4	15.3	20.3	6.0	*1.4	*4.2	196.5
<b>Population 7:</b>									
Employed persons who only/mainly travel or have no premises in main or second job	135.6	106.5	83.8	35.4	44.6	11.7	5.0	*4.5	427.1
FEMALES									
<b>Population 1:</b>									
Employed persons at work in reference week	1 265.1	965.5	686.7	279.4	374.8	79.1	32.8	75.3	3 758.6
<b>Population 2:</b>									
Multiple jobholders at work in reference week	61.9	66.0	40.8	17.3	28.0	5.9	*3.2	*3.9	226.9
<b>Population 3:</b>									
Persons who did some work at home in main or second job(b)	225.9	206.9	147.9	59.2	82.5	15.5	6.1	15.6	759.7
<b>Population 4:</b>									
Persons employed at home in main or second job(c)	139.5	128.0	95.6	37.8	50.5	12.7	*3.6	9.3	476.9
<b>Population 5:</b>									
Employees employed at home in main or second job(c)	82.6	77.1	47.4	17.0	26.7	5.1	*2.8	6.5	265.2
<b>Population 6:</b>									
Employed persons who only/mainly work at home in main or second job, excluding farmers(b)(d)	88.2	74.9	59.6	22.9	33.4	8.5	*2.0	5.5	295.1
<b>Population 7:</b>									
Employed persons who only/mainly travel or have no premises in main or second job	24.4	23.2	19.4	5.8	9.5	*1.9	*0.7	*1.5	86.4

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

(a) Refers to mainly urban areas only.

(b) Includes another home.

(c) Includes another home and employees who have an arrangement with their employer to work some hours at home.

(d) ASCO unit groups 1311, 1312, 1313, 1314, 4611, 9921.



	NSW	Vic.	Qld	SA	WA	Tas.	NT(a)	ACT	Aust.
	'000	'000	'000	'000	'000	'000	'000	'000	'000

PERSONS

<b>Population 1:</b> Employed persons at work in reference week	2 903.6	2 172.5	1 590.9	644.3	862.9	181.6	74.0	159.7	8 589.4
<b>Population 2:</b> Multiple jobholders at work in reference week	115.8	117.5	78.4	33.7	52.7	10.3	5.1	7.8	421.4
<b>Population 3:</b> Persons who did some work at home in main or second job(b)	538.6	485.4	341.1	145.3	197.9	37.5	14.4	34.6	1 794.8
<b>Population 4:</b> Persons employed at home in main or second job(c)	291.7	262.1	191.2	82.2	101.0	26.7	7.0	18.4	980.3
<b>Population 5:</b> Employees employed at home in main or second job(c)	182.8	156.7	99.9	39.2	59.0	12.1	5.3	13.4	568.4
<b>Population 6:</b> Employed persons who only/mainly work at home in main or second job, excluding farmers(b)(d)	145.0	129.1	98.0	38.1	53.7	14.5	*3.4	9.7	491.5
<b>Population 7:</b> Employed persons who only/mainly travel or have no premises in main or second job	160.0	129.7	103.2	41.2	54.2	13.6	5.7	6.0	513.5

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

(a) Refers to mainly urban areas only.

(b) Includes another home.

(c) Includes another home and employees who have an arrangement with their employer to work some hours at home.

(d) ASCO unit groups 1311, 1312, 1313, 1314, 4611, 9921.



## EXPLANATORY NOTES

### INTRODUCTION

**1** The statistics in this publication are compiled from data collected in the Locations of Work survey that was conducted throughout Australia in June 2000 as a supplement to the monthly Labour Force Survey (LFS). Respondents to the LFS who fell within the scope of the supplementary survey were asked further questions.

**2** The publication *Labour Force, Australia* (Cat. no. 6203.0) contains information about survey design, sample redesign, scope, coverage and population benchmarks relevant to the monthly LFS, which also apply to supplementary surveys. It also contains definitions of demographic and labour force characteristics, and information about telephone interviewing which are relevant to both the monthly LFS and supplementary surveys.

### SCOPE

**3** In addition to those already excluded from the LFS, there were approximately 80,000 persons living in remote and sparsely settled parts of Australia who were out of scope of this survey. The exclusion of these persons has only minor impact on any aggregate estimates that are produced for individual States and Territories, except the Northern Territory.

**4** Students at boarding schools, patients in hospitals, residents of homes (e.g. retirement homes, homes for the handicapped), and inmates of prisons are further excluded from all supplementary surveys.

**5** This survey was restricted to employed persons who worked during the reference week in June 2000.

### COVERAGE

**6** The estimates in this publication relate to persons covered by the survey in June 2000. In the LFS, coverage rules are applied which aim to ensure that each person is associated with only one dwelling and hence has only one chance of selection in the survey (see *Labour Force, Australia* (Cat. no. 6203.0)).

### RELIABILITY OF THE ESTIMATES

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

- Sampling error is the difference between the published estimate and the value that would have been produced if all dwellings had been included in the survey. For further information on sampling error, refer to the Technical Notes.
- Non-sampling errors are inaccuracies that occur because of imperfections in reporting by respondents and interviewers and errors made in coding and processing data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient processing procedures.

### SEASONAL FACTORS

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

### CLASSIFICATIONS USED

**9** Occupation data are classified according to the second edition of the Australian Standard Classification of Occupations (ASCO). For more detailed information see *ASCO Australian Standard Classification of Occupations, Second Edition* (Cat. no. 1220.0).

**10** Industry data are classified according to the Australian and New Zealand Standard Industrial Classification (ANZSIC), a more detailed description of which appears in *Australian and New Zealand Standard Industrial Classification (ANZSIC), 1993* (Cat. no. 1292.0).

## EXPLANATORY NOTES *continued*

### COMPARABILITY OF TIME SERIES

**11** Revisions are made to population benchmarks for the LFS after each five-yearly Census of Population and Housing. The last such revision was made in February 1999 to take account of the results of the 1996 Census of Population and Housing. Estimates from supplementary surveys conducted after February 1999 are therefore based on revised population benchmarks.

**12** Supplementary surveys are not always conducted on the full LFS sample. Since August 1994 the sample for supplementary surveys has been restricted to no more than seven-eighths of the LFS sample. Therefore the reduction in sample size means that the standard errors for this survey differ from those applicable to previous surveys.

### COMPARABILITY WITH MONTHLY LFS STATISTICS

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

### PREVIOUS SURVEYS

**14** Results of similar surveys, conducted in April 1989, March 1992 and September 1995 were published in *Persons Employed at Home, Australia* (Cat. no. 6275.0).

**15** This survey was redesigned and renamed Locations of Work for June 2000. Conceptual changes were made to better align the survey with the guidelines and recommendations of the International Labour Organisation Home Work Convention, 1996. This resulted in the definition of persons employed at home including work undertaken at both their own home and another home, excluding employer's or client's homes. The definition of persons employed at home was also widened to include farmers who only or mainly worked at home and employees who worked some hours at home with the agreement of their employer.

**16** The focus of interest of the survey was also changed to address data quality and respondent burden issues. In Locations of Work respondents were asked about their actual work arrangements in the survey reference week rather than their usual situation, as had been done in previous surveys. To gain a broader understanding of where people work, information was also collected about all the types of places where people work rather than only concentrating on whether any work was done at home.

### ACKNOWLEDGMENT

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

### RELATED PUBLICATIONS

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

- *Labour Force, Australia* (Cat. no. 6203.0) issued monthly
- *Labour Force Experience, Australia* (Cat. no. 6206.0) issued two-yearly
- *Labour Mobility, Australia* (Cat. no. 6209.0) issued two-yearly
- *Forms of Employment, Australia* (Cat. no. 6359.0) issued two-yearly

**19** Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists publications to be released in the next few days. The Catalogue and Release Advice are available

**EXPLANATORY NOTES** *continued*

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RELATED PUBLICATIONS  
*continued*

from any ABS office or from the ABS Information Service on the World Wide Web,  
<URL:<http://www.abs.gov.au>>.



## APPENDIX POPULATIONS AND DATA ITEM LIST

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### ABS DATA AVAILABLE ON REQUEST

The ABS has a range of data available on request from the Locations of Work Survey. This section lists the data items and populations which relate to the survey. More detailed breakdowns of some data items may also be available on request.

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

For more information about ABS data available on request contact Wendy Prowd on Canberra 02 6252 7508, or by facsimile on 02 6252 7784.

- Population 1** Employed persons at work in reference week.
- Population 2** Multiple jobholders at work in reference week.
- Population 3** Persons who did some work at home in main or second job.
- Population 4** Persons employed at home in main or second job.
- Population 5** Employees employed at home in main or second job.
- Population 6** Employed persons who only/mainly work at home in main or second job, excluding farmers.
- Population 7** Employed persons who only/mainly travel or have no premises in main or second job.

# APPENDIX 1 POPULATIONS AND DATA ITEMS LIST *continued*

<i>Data Items</i>	<i>Populations</i>	<i>Data Items</i>	<i>Populations</i>
<b>1 State or Territory of usual residence</b>	<b>All</b>	<b>7B Birthplace (1)</b>	<b>All</b>
New South Wales		Born in Australia	
Victoria		Born outside Australia	
Queensland		Born in main English-speaking countries	
South Australia		Born in other countries	
Western Australia			
Tasmania		<b>7C Birthplace (2)</b>	<b>All</b>
Northern Territory		Born in Australia	
Australian Capital Territory		Born outside Australia	
		The Middle East and North Africa	
<b>2 Area of usual residence</b>	<b>All</b>	Africa (excluding North Africa)	
State Capital City		Northern America	
Balance of State/Territory		South America, Central America and the Caribbean	
<b>3 Sex</b>	<b>All</b>	North-East Asia	
Males		South-East Asia	
Females		Southern Asia	
<b>4 Marital status</b>	<b>All</b>	Europe and the Former USSR	
Married		Former Yugoslav Republics	
Not married		Germany	
<b>5A Relationship in household (1)</b>	<b>All</b>	Greece	
Family member		Italy	
Husband or wife		Netherlands	
With dependants		Poland	
Without dependants		UK and Ireland	
Lone parent		Oceania and Antarctica	
With dependants		New Zealand	
Without dependants		<b>8 Age group (years)</b>	<b>All</b>
Dependent student		15–19	
Non-dependent child		20–24	
Other family person		25–34	
Non-family member		35–44	
Lone person		45–54	
Not living alone		55–59	
Not determined		60–64	
		65 and over	
<b>5B Relationship in household (2)</b>	<b>All</b>	<b>9 Labour force status</b>	<b>1, 8</b>
Family member		Employed	
Husband or wife		Unemployed	
With children under 15		Not in the labour force	
Without children under 15		<b>10A Full-time or part-time status</b>	<b>All</b>
Lone parent		Full-time worker	
With children under 15		Part-time worker	
With dependent students but without children under 15		<b>10B Whether worked 35 hours or more in reference week</b>	<b>All</b>
Without dependants		Worked 35 hours or more in reference week	
Dependent student		Worked less than 35 hours in reference week	
Non-dependent child		<b>11A Status in employment in main job</b>	<b>All</b>
Other family person		Employee	
Non-family member		Employer	
Lone person		Own account worker	
Not living alone		Contributing family worker	
Family status not determined		<b>11B Status in employment in second job</b>	<b>2</b>
<b>6 Whether had any child(ren) under 15 years</b>	<b>All</b>	Employee	
Had child(ren) under 15 years		Employer	
Did not have child(ren) under 15 years		Own account worker	
<b>7A Birthplace and period of arrival</b>	<b>All</b>	Contributing family worker	
Born in Australia		<b>11C Status in employment in job at home</b>	<b>4,5,6</b>
Born outside Australia		Employee in job at home	
Arrived before 1971		Employer in job at home	
Arrived 1971–1980		Own account worker in job at home	
Arrived 1981–1990		Contributing family worker in job at home	
Arrived 1991 to survey date			

# APPENDIX 1 POPULATIONS AND DATA ITEMS LIST *continued*

<i>Data Items</i>	<i>Populations</i>	<i>Data Items</i>	<i>Populations</i>
<b>12 Occupation</b>	<b>4,5,6,7</b>	<b>15B Main location of work in second job</b>	<b>2</b>
Managers and administrators		Own home	
Professionals		Another home	
Associate professionals		Employer or client's home	
Tradespersons and related workers		Business premises	
Advanced clerical and service workers		Employer or client's workplace	
Intermediate clerical, sales and service workers		Own workplace	
Intermediate production and transport workers		Other workplace	
Elementary clerical, sales and service workers		Travelling	
Labourers and related workers		Other	
		Did not work anywhere	
<b>13 Industry</b>	<b>4,5,6,7</b>	<b>16A Number of locations of work in main job</b>	<b>All</b>
Agriculture, forestry and fishing		Work at one location only	
Mining		Work at two or more locations	
Manufacturing		<b>16B Number of locations of work in second job</b>	<b>2</b>
Electricity, gas and water supply		Work at one location only	
Construction		Work at two or more locations	
Wholesale trade		<b>17A Whether employed at home in main job</b>	<b>All</b>
Retail trade		Only/mainly work at home	
Accommodation, cafes and restaurants		Did some work at home	
Transport and storage		Did not work at home	
Communication services		<b>17B Whether employed at home in second job</b>	<b>All</b>
Finance and insurance		Only/mainly work at home	
Property and business services		Did some work at home	
Government administration and defence		Did not work at home	
Education		<b>17C Whether employed at home in main or second job</b>	<b>All</b>
Health and community services		Only/mainly work at home	
Cultural and recreational services		Did some work at home	
Personal and other services		Did not work at home	
<b>14A All locations of work in main job</b>	<b>All</b>	<b>18A Whether has arrangement with employer to work at home in main job</b>	<b>5</b>
Own home		Has arrangement to work at home	
Another home		Does not have arrangement to work at home	
Employer or client's home		<b>18B Whether has arrangement with employer to work at home in second job</b>	<b>5</b>
Business premises		Has arrangement to work at home	
Employer or client's workplace		Does not have arrangement to work at home	
Own workplace		<b>18C Whether has arrangement with employer to work at home in main or second job</b>	<b>5</b>
Other workplace		Has arrangement to work at home	
Travelling		Does not have arrangement to work at home	
Other		<b>19A Hours worked in main job</b>	<b>All</b>
None of the above		Under 10 hours	
<b>14B All locations of work in second job</b>	<b>2</b>	10–19 hours	
Own home		20–29 hours	
Another home		30–34 hours	
Employer or client's home		35–39 hours	
Business premises		40 hours or more	
Employer or client's workplace		<b>19B Hours worked in second job</b>	<b>2</b>
Own workplace		Under 10 hours	
Other workplace		10–19 hours	
Travelling		20–29 hours	
Other		30–34 hours	
None of the above		35–39 hours	
<b>15A Main location of work in main job</b>	<b>All</b>	40 hours or more	
Own home		<b>20 Hours worked at home</b>	<b>4,5,6</b>
Another home		Under 10 hours	
Employer or client's home		10–19 hours	
Business premises		20–29 hours	
Employer or client's workplace		30–34 hours	
Own workplace		35–39 hours	
Other workplace		40 hours or more	
Travelling			
Other			
Did not work anywhere			

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

<i>Data Items</i>	<i>Populations</i>	<i>Data Items</i>	<i>Populations</i>
<b>21 Main reason for working at home</b>	<b>4,5,6</b>	<b>26 Superannuation coverage</b>	<b>4,5,6</b>
To operate own/family business/farm		Belongs to a superannuation scheme	
Wanted home office/no rent/no overheads		Provided by current employer	
Childcare/family considerations		Provided by other than current employer	
Flexible working arrangements		Does not belong to a superannuation scheme	
To catch up on work			
Condition of employment		<b>27 Workers' compensation coverage</b>	<b>4,5,6</b>
Other		Covered by workers' compensation	
<b>22 Time in job worked at home</b>	<b>4,5,6</b>	Does not have workers' compensation coverage	
Less than 1 year		<b>28 Trade union membership</b>	<b>5</b>
1 year to less than 2 years		Member of trade union	
2 years to less than 5 years		Not a member of trade union	
5 years to less than 10 years		<b>29 Provision of paid holiday leave</b>	<b>5</b>
10 years or more		Receives paid holiday leave	
<b>23 Basis of payment in job worked at home</b>	<b>4,5,6</b>	Does not receive paid holiday leave	
Fixed salary		<b>30 Provision of paid sick leave</b>	<b>5</b>
Wage/by the hour		Receives paid sick leave	
On completion of contract		Does not receive paid sick leave	
Business income/share of profit		<b>31 Leave entitlements in job</b>	<b>5</b>
On commission		With leave entitlements(a)	
By the piece/by the product or service produced		Without leave entitlements	
Other		(a) refers to entitlement of employees to either paid holiday leave or paid sick leave.	
<b>24 Main basis of payment in job worked at home</b>	<b>4,5,6</b>	<b>32 Where work is based in job in which travels</b>	<b>7</b>
Fixed salary		Own home	
Wage/by the hour		Another home	
On completion of contract		Employer or client's home	
Business income/share of profit		Business premises	
On commission		Employer or client's workplace	
By the piece/by the product or service produced		Own workplace	
Other		Other workplace	
<b>25 Use of information technology in job worked at home</b>	<b>4,5,6</b>	Other	
Use information technology in job at home		No base	
Use computer only			
Use internet			
Do not use information technology in job at home			

## APPENDIX 2 SUPPLEMENTARY SURVEYS

### SUPPLEMENTARY SURVEYS

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

- *Career Experience*. Irregular. Latest issue November 1998 (Cat. no. 6254.0)
- *Career Paths of Persons with Trade Qualifications*. Final issue 1993 (Discontinued) (Cat. no. 6243.0)
- *Child Care*. Irregular. Latest issue June 1999 (Cat. no. 4402.0)
- *Education and Training Experience*. Irregular. Latest issue 1997 (Cat. no. 6278.0)
- *Employee Earnings, Benefits and Trade Union Membership*. Annual. Latest issue August 2000 (Cat. no. 6310.0)
- *Employment Benefits*. Final issue August 1994 (Discontinued) (Cat. no. 6334.0.40.001)
- *Forms of Employment*. Irregular. Latest issue August 1998 (Cat. no. 6359.0)
- *Job Search Experience of Unemployed Persons*. Annual. Latest issue July 2000 (Cat. no. 6222.0)
- *Labour Force Experience*. Two-yearly. Latest issue February 1999 (Cat. no. 6206.0)
- *Labour Force Status and Educational Attainment*. Final issue February 1994 (Discontinued) (Cat. no. 6235.0)
- *Labour Force Status and Other Characteristics of Families*. Annual. Latest issue June 2000 (Cat. no. 6224.0)
- *Labour Force Status and Other Characteristics of Migrants*. Irregular. Latest issue November 1999 (Cat. no. 6250.0)
- *Labour Mobility*. Two-yearly. Latest issue February 2000 (Cat. no. 6209.0)
- *Locations of Work*. Irregular. Latest issue June 2000 (Cat. no. 6275.0)
- *Multiple Jobholding*. Irregular. Latest issue August 1997 (Cat. no. 6216.0)
- *Participation in Education*. Final issue September 1999 (Discontinued) (Cat. no. 6272.0)
- *Persons Not in the Labour Force*. Annual. Latest issue September 2000 (Cat. no. 6220.0)
- *Persons Who had Re-entered the Labour Force*. Final issue July 1995 (Discontinued) (Cat. no. 6264.0.40.001)
- *Persons Who Have Left the Labour Force*. Final issue September 1994 (Discontinued) (Cat. no. 6267.0.40.001)
- *Retirement and Retirement Intentions*. Irregular. Latest issue November 1997 (Cat. no. 6238.0)
- *Retrenchment and Redundancy*. Irregular. Latest issue July 1997 (Cat. no. 6266.0)
- *Successful and Unsuccessful Job Search Experience*. Two-yearly. Latest issue July 1998 (Cat. no. 6245.0)
- *Superannuation*. Irregular. Latest issue November 1995 (Cat. no. 6319.0)
- *Trade Union Members*. Two-yearly. August 1996 (Discontinued) (Cat. no. 6325.0)
- *Transition from Education to Work*. Annual. Latest issue May 2000 (Cat. no. 6227.0)
- *Underemployed Workers*. Annual. Latest issue September 1999 (Cat. no. 6265.0)
- *Working Arrangements*. Irregular. Latest issue August 1997 (Cat. no. 6342.0)

## INTRODUCTION

**1** Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability. That is, they may differ from those estimates that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three (67%) that a sample estimate will differ by less than one SE from the number that would have been obtained if all dwellings had been included, and about 19 chances in 20 (95%) that the difference will be less than two SEs. Another measure of the likely difference is the relative standard error (RSE), which is obtained by expressing the SE as a percentage of the estimate.

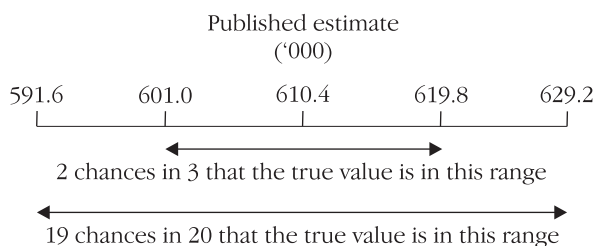
**2** Due to space limitations, it is impractical to print the SE of each estimate in the publication. Instead, a table of SEs is provided to enable readers to determine the SE for an estimate from the size of that estimate (see table T1). The SE table is derived from a mathematical model, referred to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

## CALCULATION OF STANDARD ERRORS

**3** An example of the calculation and the use of SEs in relation to estimates of persons is as follows. Table 6 shows that the estimated number of employed persons in Australia whose main location of work in their main job was their own home, including another home other than that of their employer or client, was 610,400. Since this estimate is between 500,000 and 1,000,000, table T1 shows that the SE for Australia will lie between 8,800 and 11,550 and can be approximated by interpolation using the following general formula:

$$\begin{aligned}
 & SE\ of\ estimate\ (est.) \\
 &= lower\ SE + \left( \left( \frac{size\ of\ est. - lower\ est.}{upper\ est. - lower\ est.} \right) \times (upper\ SE - lower\ SE) \right) \\
 &= 8,800 + \left( \left( \frac{610,400 - 500,000}{1,000,000 - 500,000} \right) \times (11,550 - 8,800) \right) \\
 &= 9,410\ (rounded\ to\ the\ nearest\ 10)
 \end{aligned}$$

**4** Therefore, there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall within the range 601,990 to 619,810 and about 19 chances in 20 that the value will fall within the range 591,580 to 629,220. This example is illustrated in the diagram below.



**5** In general, the size of the SE increases as the size of the estimate increases. Conversely, the RSE decreases as the size of the estimate increases. Very small estimates are thus subject to such high RSEs so that their value for most practical purposes is unreliable. In the tables in this publication, only estimates with RSEs

**CALCULATION OF STANDARD ERRORS *continued***

of 25% or less are considered reliable for most purposes. Estimates with RSEs greater than 25% but less than or equal to 50% are preceded by an asterisk (e.g. \*3.4) to indicate they are subject to high SEs and should be used with caution. Estimates with RSEs of greater than 50%, preceded by a double asterisk (e.g. \*\*0.3), are considered too unreliable for general use and should only be used to aggregate with other estimates to provide derived estimates with RSEs of 25% or less.

**PROPORTIONS AND PERCENTAGES**

**6** Proportions and percentages formed from the ratio of two estimates are also subject to sampling errors. The size of the error depends on the accuracy of both the numerator and the denominator. A formula to approximate the RSE of a proportion is given below. This formula is only valid when x is a subset of y.

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

**7** Considering the example from the previous page, of the 610,400 employed persons whose main location of work in their main job was their own home, 252,900 or 41.4% were employees. The SE of 252,900 may be calculated by interpolation as 6,780. To convert this to a RSE we express the SE as a percentage of the estimate, or 6,780/252,900 = 2.7%. The SE for 610,400 was calculated previously as 9,410, which converted to a RSE is 9,410/610,400 = 1.5%. Applying the above formula, the RSE of the proportion is:

$$RSE = \sqrt{(2.7)^2 - (1.5)^2} = 2.2\%$$

**8** Therefore, the SE for the proportion of employed persons whose main location of work was their own home who are employees is 0.9 percentage points (= (41.4/100)x2.2). Therefore, there are about two chances in three that the proportion of employed persons whose main location of work in their main job was their own home who are employees is between 40.5% and 42.3% and 19 chances in 20 that the proportion is within the range 39.6% to 43.2%.

**DIFFERENCES**

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

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

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

## TECHNICAL NOTE DATA QUALITY *continued*

### T1 STANDARD ERRORS OF ESTIMATES

AUSTRALIA .

Size of estimate	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	SE	RSE
	no.	no.	no.	no.	no.	no.	no.	no.	no.	%
100	..	..	..	..	..	..	..	..	80	80.0
200	..	..	..	..	220	140	130	160	140	70.0
300	220	230	310	260	260	170	160	180	190	63.3
500	330	320	390	320	340	210	190	220	270	54.0
700	420	400	460	370	390	240	220	240	350	50.0
1,000	530	500	540	420	460	280	250	270	440	44.0
1,500	690	630	650	500	550	330	300	310	580	38.7
2,000	820	750	740	570	620	370	330	350	700	35.0
2,500	950	850	800	600	700	400	350	400	800	32.0
3,000	1 050	950	900	650	750	450	400	400	900	30.0
3,500	1 150	1 000	950	700	800	450	400	450	1 000	28.6
4,000	1 250	1 100	1 000	750	850	500	450	450	1 050	26.3
5,000	1 400	1 200	1 100	850	900	550	500	500	1 200	24.0
7,000	1 650	1 400	1 300	950	1 050	600	550	550	1 450	20.7
10,000	1 950	1 700	1 500	1 100	1 200	700	600	650	1 750	17.5
15,000	2 350	2 000	1 800	1 300	1 450	800	700	750	2 150	14.3
20,000	2 700	2 250	2 050	1 450	1 600	900	800	850	2 450	12.3
30,000	3 150	2 650	2 450	1 700	1 850	1 050	950	1 000	2 950	9.8
40,000	3 500	2 900	2 750	1 900	2 100	1 200	1 050	1 100	3 350	8.4
50,000	3 800	3 150	3 000	2 100	2 250	1 300	1 100	1 250	3 700	7.4
100,000	4 750	4 000	4 000	2 750	2 900	1 700	1 450	1 650	4 850	4.9
150,000	5 350	4 600	4 750	3 250	3 350	1 950	1 650	2 000	5 600	3.7
200,000	5 900	5 150	5 300	3 650	3 750	2 150	1 800	2 300	6 250	3.1
300,000	6 900	6 100	6 250	4 300	4 300	2 500	..	2 750	7 250	2.4
500,000	8 550	7 700	7 650	5 250	5 050	3 050	..	3 500	8 800	1.8
1,000,000	11 950	10 800	10 050	6 850	6 350	..	..	..	11 550	1.2
2,000,000	17 600	15 650	13 100	9 000	7 800	..	..	..	15 250	0.8
5,000,000	31 550	26 900	18 450	..	..	..	..	..	23 400	0.5
10,000,000	..	..	..	..	..	..	..	..	40 950	0.4

.. not applicable



## GLOSSARY

<b>Another home</b>	Any other place of usual residence, other than the person's own home or their employer's or client's home. Examples include a co-worker's, friend's or relative's home.
<b>Arrangement with employer to work at home</b>	A mutual agreement (whether formal or informal) between the employee and employer for the person to work from home. The agreement may be verbal, in writing or implicit in the employee's working arrangements.
<b>Business income</b>	An income based on business cash flows and expected annual profits drawn by persons in their own business.
<b>Business premises</b>	Any non-residential location or premises where the main purpose is the conduct of a business, producing goods or providing a service. Examples include shops, factories, offices, warehouses, building sites, farms (other than a respondent's home property), permanent markets, restaurants, hospitals, schools and hotels.
<b>By the piece</b>	A set payment for repeated or equivalent items or services provided. Total income is determined by the number of these separate items completed.
<b>Commission</b>	Where income is derived from a set percentage of the sale price of the goods or services being marketed or sold. Income from commission is only received if sales are made.
<b>Completion of contract</b>	A contract is a written agreement between two or more parties for the completion of a task or service. Payment is made on completion of the contract. Every contract and resulting payment will be different depending on the particular requirements of the client.
<b>Contributing family worker</b>	A person who works without pay, in an economic enterprise operated by a relative.
<b>Employed</b>	Persons aged 15 years and over who, during the reference week: <ul style="list-style-type: none"><li>■ worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (comprising employees, employers and own account workers); or</li><li>■ worked for one hour or more without pay in a family business or on a farm (i.e. contributing family workers); or</li><li>■ were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than four weeks up to the end of the reference week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the reference week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages and salary while undertaking full-time study; or</li><li>■ were employers, own account workers or contributing family workers who had a job, business or farm, but were not at work.</li></ul>
<b>Employee</b>	An employee is a person who works for a public or private employer and receives remuneration in wages, salary, a retainer fee by their employer while working on a commission basis, tips, piece-rates or payment in kind, or a person who operates his or her own incorporated enterprise with or without hiring employees.
<b>Employer</b>	An employer is a person who operates his or her own unincorporated economic enterprise or engages independently in a profession or trade, and hires one or more employees.
<b>Family</b>	Two or more related persons (comprises relationships by blood, marriage or adoption) usually resident in the same household at the time of the survey. A family comprises a married couple or a family head as defined, together with any persons having any of the following relationships to them:

## GLOSSARY *continued*

<b>Family</b> <i>continued</i>	<ul style="list-style-type: none"><li>■ sons or daughters of any age, if not married and with no children of their own present; or</li><li>■ other relatives if not accompanied by a spouse, sons or daughters, or parents of their own; or</li><li>■ any children under 15 years of age who do not have a parent present.</li></ul> <p>Further details on the determination of family relationships are given in <i>Labour Force, Australia</i> (Cat. no. 6203.0)</p>
<b>Fixed salary</b>	A fixed annual payment divided into equal instalments over the year, for example either weekly, fortnightly or monthly.
<b>Full-time workers</b>	Employed persons who usually work 35 hours or more a week (in all jobs) and others who, although usually working less than 35 hours a week, worked 35 hours or more during the reference week.
<b>Home</b>	Own home or another home, excluding home of employer or client.
<b>Industry</b>	Classified according to the <i>Australian and New Zealand Standard Industrial Classification (ANZSIC), 1993</i> (Cat. no. 1292.0).
<b>Leave entitlements</b>	Refers to the entitlement of employees to either paid holiday leave or paid sick leave.
<b>Locations of work</b>	The different types of places where people work. These include traditional workplaces, such as offices and factories and other business premises; homes, including both own home and other homes; public places like parks or streets and non-fixed locations for persons who travel for work.
<b>Main English-speaking countries</b>	Comprises the United Kingdom, Ireland, Canada, the United States of America, New Zealand and South Africa.
<b>Main job</b>	The job in which most hours are usually worked.
<b>Main location of work</b>	The place where the most hours were worked during the survey reference week.
<b>Marital status</b>	Persons are classified as married (husband and wife) if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey. The not married category comprises persons who have never married, or are separated, widowed or divorced, as well as those who, although reported as being married, did not have a spouse who usually lived in the household.
<b>Multiple jobholder</b>	Persons who worked in more than one job or business during the survey reference week, excluding those who had changed jobs during the week.
<b>Number of locations of work</b>	The number of different types of places where people work.
<b>Occupation</b>	Classified according to the <i>Australian Standard Classification of Occupations, Second Edition, 1997</i> (Cat. no. 1220.0).
<b>Other locations of work</b>	These are places for which the primary purpose may not be a workplace and include such places as: parks, beaches, streets and forests.
<b>Own-account worker</b>	A person who operates his or her own unincorporated economic enterprise or engages independently in a profession or trade, and hires no employees.
<b>Own home</b>	Own home or another home, excluding home of employer or client. In Table 1 a distinction is made between this definition and the more specific definition of own home as a person's usual place of residence and the associated land and buildings (where present) for which they are responsible.
<b>Part-time workers</b>	Employed persons who usually work less than 35 hours a week and who did so in the reference week.

## GLOSSARY *continued*

<b>Persons employed at home</b>	Employed persons who, last week, worked all or most hours at their own home or at the home of another person (excluding the home of their employer or client) and employees who worked less hours at home than elsewhere but had an arrangement with their employer to work at home.
<b>Status in employment</b>	Employed persons classified by whether they were employees, employers, own account workers, or contributing family workers.
<b>Superannuation</b>	Membership of a superannuation or retirement benefits scheme.
<b>Survey reference week</b>	The week before the respondent's interview.
<b>Time in job worked at home</b>	The length of time in years that the person has worked at home in their job or business.
<b>Trade union</b>	An organisation consisting predominantly of employees, the principal activities of which are the negotiation of rates of pay and conditions of employment for its members.
<b>Travelling</b>	Any journey made as part of a person's work, whether on land, air, water, by vehicle or on foot. This includes: travelling by road on behalf of employer or business, trips between different client's premises for work purposes, travel to other towns, cities or countries and trips to collect supplies. Commuting to and from work is excluded.
<b>Wage</b>	An hourly rate of payment paid to an employee, i.e. the amount of pay the employee receives depends on the number of hours worked.
<b>Where work is based</b>	The location from which the work of a person who only or mainly travels for work is organised. The base may be an office or depot, the point of contact for clients and/or employers, or the place where work is allocated or orders taken, accounts issued and supplies stored.
<b>Workers' compensation</b>	Provision of workers' compensation coverage as collected by responses to the question "Are you covered by workers' compensation in that job?" Income protection insurance is excluded.

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