



AUSTRALIAN BUREAU OF STATISTICS Canberra

UNEMPLOYMENT, AUSTRALIA, OCTOBER 1982 PRELIMINARY ESTIMATES

PHONE INQUIRIES for more information about these statistics—contact Mr Godfrey Laurie on Canberra (062) 52 6565 or any of our State offices.

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MAIN FEATURES

Note: The October population survey used a new sample which was selected on the basis of data obtained from the 1981 Census of Population and Housing. For a brief description of the effects of the new sample see paragraphs 7-11 below.

In October 1982 the estimated number of unemployed persons was 539,200 — 446,100 were looking for full-time work and 93,100 were looking for part-time work. The unemployment rate was 7.8 per cent.

In seasonally adjusted terms, the number unemployed increased 67,100 between September and October. The unemployment rate increased from 7.4 per cent to 8.2 per cent.

Between October 1981 and October 1982 the number of unemployed persons increased by 168,800 (or by 2.3 percentage points). In this period those looking for full-time work increased by 142,000 — 22,900 were aged 15 to 19, and 119,100 were aged 20 and over.

EXPLANATORY NOTES

Introduction

This publication contains preliminary unemployment estimates derived from the monthly population survey. It is generally released in the third week following completion of the interviews. (See paragraph 2.) More detailed estimates are published in *The Labour Force, Australia (Preliminary)* (6202.0) and *The Labour Force, Australia* (6203.0).

The population survey

2. The survey is based on a multi-stage area sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.), and covers about two-thirds of one per cent of the population of Australia. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week).

Definitions

3. For the purposes of the survey, *unemployed persons* are those aged 15 years and over who were not employed during the survey week and:

(a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of the survey week and:

(i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the survey week); or

(ii) were waiting to start a new job within four weeks from the end of the survey week and would have started in the survey week if the job had been available then;

or (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.

This definition of unemployed persons conforms closely to that recommended by the International Labour Organisation (ILO).

4. *Unemployed persons looking for first job* are those who had never worked full-time for two weeks or more.

5. The *unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

Earlier estimates

6. Estimates back to August 1966 on a basis comparable with those in this publication are published in *The Labour Force, Australia* (6204.0) beginning with the 1978 issue.

Comparability of series

7. The population survey sample was reselected after the 1971 and 1976 Censuses of Population and Housing to allow data from the latest Census to be used to improve the efficiency of the population survey sample design. The reselection following the 1981 Census has been completed, and a new sample in all States and Territories was introduced for the October 1982 survey. While estimates from two different samples may differ purely due to chance, the old (i.e. pre-October) and new samples are based on almost identical methods of stratification and selection, and there is only a small probability that the published October estimates differ significantly from the estimates that would have been produced if the old sample had been retained.

8. For information on sample design and selection see the Technical note in *The Labour Force, Australia*, 1978 (6204.0).

Reliability of the estimates

9. Since the survey estimates are based on information obtained from occupants of a sample of dwellings they, and the movements derived from them, are subject to sampling variability; that is, they may differ by chance 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*. 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 in the survey, and about nineteen chances in twenty that the difference will be less than two standard errors.

10. Because of the introduction of the new sample of dwellings in October (see paragraph 7), there was not the usually high proportion of dwellings common to each of two consecutive surveys and the standard errors of movements between September and October are therefore higher than normal. More details on the effects of the new sample on standard errors will be published in the Technical note in the October 1982 issue of *The Labour Force, Australia* (6203.0).

11. Standard errors of unemployment estimates for the latest month and of estimates of movements since the previous month are contained in the tables. Examples of the use of these two sets of standard errors are given below.

(a) The estimate of 446,100 unemployed persons looking for full-time work in October 1982 has a standard error of about 6,900 and therefore there are about two chances in three that the number that would have been obtained if all dwellings had been included in the survey will be within the range 439,200 to 453,000 and about nineteen chances in twenty that the number will be within the range 432,300 to 459,900.

(b) The estimate of movement in the number of unemployed persons looking for full-time work from September to October 1982 is an increase of 25,500. The standard error of this estimate of movement is about 9,600 and therefore there are about two chances in three that if all dwellings had been included in the survey the movement would have been within the range +15,900 to +35,100 and about nineteen chances in twenty that it would have been within the range +6,300 to +44,700.

Seasonal adjustment

12. This publication contains seasonally adjusted estimates of the unemployment series for the latest months. Information about the method of seasonal adjustment used and seasonally adjusted figures for all months since February 1978 for the major labour force series which are published in seasonally adjusted form are contained in an appendix to *The Labour Force, Australia, February 1982* (6203.0).

13. The seasonal adjustment factors have been calculated on the basis of four years of monthly data. This is a relatively short series of data on which to base the calculation of seasonal factors, particularly when the pattern of movement is varying from year to year. This effect is particularly marked in the unemployment figures. As happens with all seasonally adjusted series, the seasonal factors will be reviewed annually. Each additional year's figures will cause the factors to be revised; it follows that the seasonally adjusted figures in this publication are certain to be revised. When interpreting trends based on seasonally adjusted series, it should always be borne in mind that seasonally adjusted figures by their nature will be revised when later information is used in calculating the seasonal factors.

Related publications

14. Users may also wish to refer to the following monthly publications which are available on request:

The Labour Force, Australia (Preliminary) (6202.0)

The Labour Force, Australia (6203.0)

15. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- * not applicable
- * subject to sampling variability too high for most practical uses. See paragraphs 9 to 11 for details.
- p preliminary—figures subject to revision
- r revised since previous issue

16. Figures have been rounded and discrepancies may occur between sums of the component items and totals.

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TABLE 1. UNEMPLOYED PERSONS—SEASONALLY ADJUSTED SERIES(a)

Month	Number ('000)									
	Looking for full-time work					Unemployment rate (per cent)				
	Aged 15-19		Total	Looking for part-time work	Total	Looking for full-time work		Looking for part-time work	Total	
	Looking for first job	Aged 20 and over				Aged 15-19	Aged 20 and over			
MALES										
1982—April	19.0	52.8	161.9	214.7	17.3	232.0	15.2	4.4	5.3	6.9
May	23.7	59.2	165.4	224.6	18.2	242.8	17.2	4.4	5.5	7.4
June	20.5	57.7	164.1	221.8	27.0	248.8	17.1	4.4	5.5	5.8
July	23.5	58.6	182.4	241.0	21.7	262.7	16.9	4.9	5.9	8.6
August	22.9	59.8	196.4	256.2	23.8	280.0	17.6	5.3	6.3	9.2
September r	23.7	62.0	212.4	274.4	22.9	297.3	18.1	5.7	6.7	9.9
October p	21.6	63.1	244.2	307.3	22.1	329.4	17.7	6.5	7.4	8.8
FEMALES										
1982—April	26.6	58.3	91.1	149.4	52.4	201.8	22.0	6.5	8.9	6.1
May	24.8	60.6	92.5	153.1	56.8	209.9	22.2	6.6	9.1	6.5
June	26.2	59.2	101.2	160.4	56.3	216.7	22.2	7.2	9.6	6.5
July	24.0	57.8	91.6	149.4	58.1	207.5	21.7	6.6	9.0	6.7
August	21.6	52.4	86.6	139.0	58.2	197.2	20.1	6.2	8.4	6.6
September r	19.9	54.0	98.2	152.2	61.8	214.0	21.1	7.0	9.2	7.0
October p	25.2	62.4	117.8	180.2	67.1	247.3	23.2	8.3	10.6	7.5
PERSONS										
1982—April	45.3	112.7	252.8	365.5	70.1	435.6	18.5	5.0	6.4	6.3
May	48.3	120.4	259.2	379.6	74.5	454.1	19.4	5.1	6.6	6.7
June	47.0	118.4	259.6	378.0	82.5	460.5	19.6	5.1	6.6	7.4
July	48.1	116.5	273.6	390.1	80.7	470.8	19.0	5.3	6.8	7.2
August	44.1	110.5	281.7	392.2	82.2	474.4	18.3	5.5	6.9	7.2
September r	44.1	116.6	310.0	426.6	82.7	509.3	19.5	6.0	7.4	7.3
October p	46.8	125.5	362.3	487.8	88.6	576.4	20.1	7.0	8.4	7.7

(a) Seasonally adjusted figures are subject to revision which may be substantial. For more information regarding seasonal adjustment see paragraphs 12 and 13 above.

TABLE 2. UNEMPLOYED PERSONS(a)

Month	Number ('000)						Unemployment rate (per cent)					
	Looking for full-time work			Looking for part-time work			Looking for full-time work			Looking for part-time work		
	Aged 15-19			Aged 20 and over			Aged 15-19			Aged 20 and over		
	Looking for first job	Total		Total								Total
MALES												
1981—												
August	12.5	40.7	146.4	187.0	12.7	199.7	12.2	4.0	4.7	5.4	4.7	4.7
September	15.1	43.5	150.7	194.2	15.3	209.5	12.5	4.1	4.8	6.6	4.9	4.9
October	18.0	44.9	140.5	185.4	14.3	199.7	13.4	3.8	4.6	6.1	4.7	4.7
November	18.5	46.7	138.9	185.6	14.8	200.4	14.4	3.8	4.6	6.5	4.7	4.7
December	36.6	68.7	137.4	206.1	26.5	232.6	17.9	3.7	5.0	11.4	5.4	5.4
1982—												
January	33.9	71.5	149.6	221.0	17.6	238.6	18.5	4.0	5.4	8.2	5.5	5.5
February	30.7	67.2	169.0	236.3	15.5	251.7	17.4	4.5	5.7	7.3	5.8	5.8
March	23.2	52.7	163.4	216.1	22.0	236.1	14.6	4.4	5.3	9.4	5.5	5.5
April	15.9	49.2	161.0	210.2	16.9	227.2	14.2	4.4	5.2	6.7	5.3	5.3
May	18.5	54.0	165.8	219.8	20.0	239.8	15.6	4.5	5.4	8.0	5.6	5.6
June	14.8	51.4	164.5	215.8	23.7	239.5	15.5	4.4	5.3	9.2	5.6	5.6
July	16.0	52.5	180.6	233.1	20.2	253.3	15.6	4.8	5.7	8.2	5.9	5.9
August	17.3	54.4	195.4	249.9	21.2	271.0	16.8	5.3	6.2	8.1	6.3	6.3
September r	20.7	58.8	212.8	271.6	22.2	293.7	17.6	5.7	6.6	8.6	6.7	6.7
October p	19.3	58.1	228.6	286.6	20.9	307.6	17.4	6.1	7.0	8.1	7.0	7.0
Standard error of—												
October 1982 estimates	1.9	3.1	5.4	5.9	2.0	6.0	0.9	0.1	0.1	0.8	0.1	0.1
September to October 1982 movement	2.8	4.4	7.5	8.2	2.9	8.5	1.3	0.2	0.2	1.1	0.2	0.2
FEMALES												
1981—												
August	17.9	50.3	83.5	133.8	43.5	177.4	19.1	6.2	8.3	5.0	7.1	7.1
September	21.2	48.6	85.3	133.9	47.7	181.6	18.7	6.0	8.0	5.4	7.1	7.1
October	19.5	44.1	74.5	118.7	52.0	170.6	17.7	5.4	7.2	5.9	6.8	6.8
November	19.6	45.8	79.3	125.1	46.4	171.5	18.4	5.7	7.6	5.2	6.8	6.8
December	38.1	68.8	83.8	152.6	48.1	200.7	23.2	5.9	8.9	5.6	7.8	7.8
1982—												
January	39.0	74.3	81.7	156.0	45.1	201.0	24.9	5.9	9.2	5.9	8.2	8.2
February	35.2	68.8	101.5	170.3	62.4	232.7	24.0	7.2	10.0	7.3	9.1	9.1
March	28.8	58.8	99.4	158.2	63.4	221.6	21.3	7.1	9.4	7.0	8.6	8.6
April	25.6	57.7	95.4	153.1	55.9	209.0	21.6	6.8	9.2	6.4	8.2	8.2
May	23.4	58.2	94.6	152.8	57.2	210.0	21.5	6.7	9.1	6.5	8.2	8.2
June	22.1	55.4	95.3	150.8	57.5	208.3	21.2	6.8	9.0	6.6	8.2	8.2
July	19.0	53.6	89.4	142.9	54.0	196.9	20.8	6.4	8.7	6.1	7.8	7.8
August	17.7	49.2	86.4	135.6	51.9	187.5	19.8	6.3	8.4	5.8	7.4	7.4
September r	16.4	50.2	98.8	149.1	63.1	212.1	20.4	7.0	9.0	7.0	8.3	8.3
October p	19.8	53.8	105.6	159.5	72.2	231.7	21.5	7.4	9.5	7.9	9.0	9.0
Standard error of—												
October 1982 estimates	2.0	3.0	4.0	4.7	3.4	5.4	1.2	0.3	0.3	0.4	0.2	0.2
September to October 1982 movement	2.8	4.3	5.6	6.5	4.8	7.6	1.7	0.4	0.4	0.5	0.3	0.3
PERSONS												
1981—												
August	30.4	91.0	229.9	320.9	56.2	377.1	15.2	4.6	5.7	5.1	5.6	5.6
September	36.3	92.1	236.0	328.1	63.0	391.1	15.2	4.6	5.7	5.6	5.7	5.7
October	37.4	89.0	215.1	304.1	66.3	370.4	15.2	4.2	5.4	5.9	5.5	5.5
November	38.1	92.5	218.2	310.7	61.2	371.9	16.1	4.3	5.5	5.5	5.5	5.5
December	74.8	137.5	221.2	358.7	74.6	433.3	20.2	4.3	6.2	6.9	6.3	6.3
1982—												
January	72.8	145.8	231.2	377.0	62.6	439.6	21.2	4.5	6.5	6.4	6.5	6.5
February	65.9	136.0	270.6	406.6	77.8	464.4	20.2	5.3	7.0	7.3	7.0	7.0
March	52.0	111.5	262.8	374.3	85.4	459.7	17.5	5.1	6.5	7.5	6.6	6.6
April	41.6	106.9	256.4	363.3	72.8	436.2	17.4	5.0	6.4	6.5	6.4	6.4
May	41.9	112.1	260.5	372.6	77.3	449.9	18.2	5.1	6.5	6.9	6.6	6.6
June	37.0	106.8	259.8	366.6	81.2	447.8	18.0	5.1	6.4	7.2	6.6	6.6
July	35.0	106.1	270.0	376.1	74.2	430.3	17.8	5.3	6.6	6.6	6.6	6.6
August	34.9	103.6	281.8	385.4	73.1	458.5	18.1	5.6	6.8	6.3	6.7	6.7
September r	37.1	109.0	311.6	420.6	85.2	505.9	18.8	6.0	7.3	7.3	7.3	7.3
October p	39.0	111.9	334.2	446.1	93.1	539.2	19.2	6.4	7.7	8.0	7.8	7.8
Standard error of—												
October 1982 estimates	2.6	4.1	6.2	6.9	3.8	7.4	0.7	0.1	0.1	0.3	0.1	0.1
September to October 1982 movement	3.7	5.7	8.7	9.6	5.3	10.2	1.0	0.2	0.2	0.5	0.1	0.1

(a) For definitions see page 1. For information on standard errors see paragraphs 9 to 11.

TABLE 3. UNEMPLOYED PERSONS(a), STATES AND TERRITORIES

State or Territory	Number ('000)				Unemployment rate (per cent)					
	Looking for full-time work				Looking for full-time work					
	Aged 15-19	Aged 20 and over	Total	Looking for part-time work	Total	Aged 15-19	Aged 20 and over	Total	Looking for part-time work	Total
New South Wales—										
1981—October	24.4	67.8	92.2	24.3	116.5	12.7	3.8	4.6	6.5	4.9
1982—September r	36.2	112.9	149.1	27.2	176.3	18.4	6.2	7.3	7.2	7.3
October p	39.2	131.0	170.2	30.1	200.3	19.6	7.1	8.3	8.0	8.2
Standard error of—										
October 1982 estimates	2.7	4.3	4.7	2.4	5.0	1.3	0.2	0.2	0.6	0.2
September to October 1982 movement	3.7	6.0	6.6	3.3	7.1	1.8	0.3	0.3	0.9	0.3
Victoria—										
1981—October	24.3	52.8	77.1	17.4	94.5	16.9	3.8	5.1	5.9	5.2
1982—September r	24.1	80.4	104.5	22.9	127.4	17.1	5.7	6.8	7.5	6.9
October p	28.3	71.3	99.6	27.3	126.9	19.5	5.1	6.5	8.8	6.9
Standard error of—										
October 1982 estimates	2.2	3.1	3.5	2.2	3.8	1.5	0.2	0.3	0.8	0.2
September to October 1982 movement	3.0	4.5	5.0	3.0	5.3	2.1	0.3	0.3	1.0	0.3
Queensland—										
1981—October	11.2	34.6	45.9	8.9	54.8	11.1	4.6	5.3	5.2	5.3
1982—September r	14.1	43.9	58.0	16.0	74.1	14.5	5.6	6.6	8.6	6.9
October p	14.0	48.4	62.4	13.3	75.7	14.4	6.1	7.0	7.2	7.1
Standard error of—										
October 1982 estimates	1.3	2.2	2.4	1.3	2.5	1.3	0.3	0.3	0.7	0.2
September to October 1982 movement	1.8	3.1	3.3	2.0	3.6	1.8	0.4	0.4	0.9	0.3
South Australia—										
1981—October	13.6	28.7	42.3	6.9	49.2	23.2	6.5	8.5	6.4	8.1
1982—September r	16.4	29.5	45.9	5.8	51.7	29.0	6.7	9.2	5.4	8.5
October p	12.7	31.6	44.3	8.2	52.5	24.1	7.1	8.9	7.5	8.7
Standard error of—										
October 1982 estimates	1.0	1.4	1.6	0.8	1.7	1.9	0.3	0.3	0.7	0.3
September to October 1982 movement	1.6	1.9	2.2	1.2	2.3	2.4	0.4	0.4	1.1	0.4
Western Australia—										
1981—October	8.1	20.0	28.1	5.7	33.8	14.2	4.6	5.8	5.1	5.6
1982—September r	11.0	27.9	38.9	7.3	46.3	18.9	6.3	7.7	6.0	7.4
October p	10.3	31.5	41.8	8.8	50.6	17.9	7.0	8.3	7.2	8.0
Standard error of—										
October 1982 estimates	1.0	1.5	1.6	0.9	1.7	1.7	0.3	0.3	0.7	0.3
September to October 1982 movement	1.4	2.1	2.3	1.3	2.5	2.3	0.5	0.5	1.1	0.4
Tasmania—										
1981—October	5.2	6.5	11.7	1.7	13.4	27.6	4.7	7.4	5.4	7.1
1982—September r	5.8	11.1	16.9	2.0	18.9	28.9	8.2	10.8	6.0	10.0
October p	5.8	12.7	18.6	2.5	21.1	29.0	9.2	11.8	7.4	11.0
Standard error of—										
October 1982 estimates	0.5	0.7	0.8	0.4	0.8	2.5	0.5	0.5	1.2	0.4
September to October 1982 movement	0.7	1.0	1.1	0.5	1.1	3.5	0.7	0.7	1.5	0.6
Northern Territory—										
1981—October	*	*	2.5	*	3.0	*	*	5.0	*	5.0
1982—September r	*	2.3	2.6	1.8	4.4	*	4.6	4.8	15.3	6.6
October p	*	2.7	3.2	*	4.3	*	5.4	5.8	*	6.5
Standard error of—										
October 1982 estimates	..	0.5	0.6	..	0.6	..	1.0	1.1	..	0.9
September to October 1982 movement	..	0.7	0.8	..	0.9	..	1.4	1.5	..	1.3
Australian Capital Territory—										
1981—October	*	3.4	4.3	*	5.1	*	4.0	4.7	*	4.6
1982—September r	*	3.6	4.8	2.2	7.0	*	4.4	5.4	10.1	6.3
October p	*	5.0	6.1	*	7.9	*	6.0	6.8	*	7.1
Standard error of—										
October 1982 estimates	..	0.6	0.6	..	0.7	..	0.7	0.7	..	0.7
September to October 1982 movement	..	0.9	0.9	..	1.0	..	1.1	1.0	..	0.9

(a) See note (a) to Table 2.