## HOUSEHOLD TELEPHONE CONNECTIONS <br> OCTOBER 2003

CONTENTS

CONTENTS
page
Notes ..... 2
Summary of findings ..... 3
TABLES
HOUSEHOLDS
1 Telephone connections by household type by statistical region ..... 7
2 Number of telephone connections by statistical region ..... 8
3 Number of contactable telephone connections by statistical region ..... 9
4 Number of listed telephone connections by statistical region ..... 10
5 Number of listed and contactable telephone connections by statistical region ..... 11
PERSONS
6 Telephone connections by age, sex and labour force status ..... 12
7 Number of contactable telephone connections by age, sex and labour force status ..... 13
8 Number of listed telephone connections by age, sex and labour force status ..... 14
9 Number of listed and contactable telephone connections by age, sex and labour force status ..... 15
10 Whether had use of a mobile phone by statistical region ..... 16
11 Who had use of a mobile phone by age, sex and connections ..... 17
ADDITIONAL INFORMATION
Explanatory Notes ..... 18
Technical Note ..... 20
Glossary ..... 23

- For further information about these and related statistics, contact the National Information and Referral Service on 1300135070 or Robert Boyle on Brisbane (07) 32226213.


## N Q U I R I E S

## INTRODUCTION

EFFECTS OF ROUNDING

## ABBREVIATIONS

This publication contains results from the October 2003 State Supplementary Survey, Bicycle Usage and Household Telephone Connections, Queensland. It presents information on fixed telephone connections of households and individuals, as well as a person's access to a mobile phone. The focus was to determine telephone coverage of households and individuals across the state.

Topics covered include: number of fixed telephone lines in the home; availability of these lines to standard telephone calls and access to mobile phones. For a list of definitions included in the survey, refer to the Glossary.

Information about bicycle usage is included in the publication Bicycle Usage, Queensland, October 2003 (cat. no. 9215.3).

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

Where figures have been rounded, discrepancies may occur between totals and the sums of the component items. Published percentages are calculated prior to rounding of the figures and therefore some discrepancy may occur between these percentages and those that could be calculated from the rounded figures.

ABS Australian Bureau of Statistics
BSD Brisbane Statistical Division
MPS Monthly Population Survey
MSR major statistical region
Qld Queensland
RSE relative standard error
SE standard error
SR statistical region

```
Malcolm Greig
Acting Regional Director, Queensland
```


## SUMMARY OF FINDINGS

INTRODUCTION
QUEENSLAND
Household telephone
connections

Households by type of connection

This publication presents summary information on Queensland telephone connections from the October 2003 State Supplementary Survey. The survey sought data on the number of fixed telephone connections of households and the availability of these connections to receive standard telephone calls. Information was also obtained about individuals who had the use of mobile phones. The focus was to determine telephone coverage for households and individuals across the state.

In October 2003, an estimated 1,403,500 (95.3\%) of the 1,473,200 households in Queensland had at least one fixed telephone connection. Couples with dependents accounted for $32.0 \%$ of all households with connections, followed by couple only households (27.4\%), persons living alone (21.7\%) and single parent households (8.8\%).

For the purposes of the survey, fixed telephone connections were defined as connections having their own telephone number, including those connections which were used partially or totally for facsimile (fax) or the Internet.

Of the $1,403,500$ households with at least one fixed telephone connection:
i) Contactable

- 1,390,700 households (99.1\%) had at least one contactable connection
- 12,800 households had no contactable connections
ii) Listed
- 1,149,100 households (81.9\%) had at least one listed connection
- 254,400 households had no listed connections
iii) Listed and contactable
- $1,138,500$ households ( $81.1 \%$ ) had at least one listed and contactable connection
- 264,900 households had other connections

For further definitions of the terms used above, please see the Glossary.
In almost all households (99.1\%), at least one of the fixed telephone connections was reported as contactable, that is, able to receive standard telephone calls. Contactable connections also include those that were mostly used for fax or Internet.

There were $1,149,100$ ( $81.9 \%$ ) connected households where at least one of the connections was listed in the residential section of Telstra's White Pages. The use of silent numbers would be a substantial factor in the difference between listed versus non listed connections. Not all listed connections are contactable; dedicated connections for fax or internet services can be listed but may not be able to receive standard telephone calls (contactable).

Not all of the listed connections were contactable by phone and not all contactable phone numbers were listed; the proportion of connected households that were both listed and contactable was $81.1 \%$.

## SUMMARY OF FINDINGS continued

Persons and telephone connections

Of all persons aged 18 years old and over, an estimated $2,669,600$ or $96.2 \%$ lived in households with at least one fixed telephone line connection. Of this group, those aged from 30-49 years accounted for $40.0 \%$ of connections, followed by the 50-69 year age group ( $28.5 \%$ ), the $18-29$ year age group ( $21.6 \%$ ) and then persons aged 70 years and over at $9.9 \%$.

Of people living in households with at least one fixed telephone connection, most (99.4\%) were in households where at least one of these connections was contactable.

The proportion of people with access to connections that were listed in the residential section of Telstra's White Pages was $82.5 \%$. This decreased to $82.0 \%$ for the proportion of people with both listed and contactable connections.


In October 2003, an estimated 1,892,900 (68.2\%) of 2,774,800 persons in Queensland had the use of a mobile phone.

For the purposes of this survey, use of a mobile phone referred to any person aged 18 years and over, who had the use of a mobile telephone including one supplied by an employer, or by sharing with another person.

PERSONS: HAD USE OF A MOBILE PHONE BY AGE AND SEX


## SUMMARY OF FINDINGS continued

Mobile phones continued

## STATISTICAL REGIONS

 Household telephone connectionsIn Queensland, there were similar proportions of males (50.1\%) and females (49.9\%) with the use of a mobile phone, living in households with at least one connection. Persons with the use of a mobile phone in households that had no connections tended to be in the younger age groups, with $56.1 \%$ in the 18-29 year age group and $34.6 \%$ in the 30-49 year age group.

The proportion of households with fixed connections in the Brisbane Major Statistical Region (MSR) was $96.2 \%$ ( 650,100 households). In the remainder of the state the proportion was $94.4 \%$ ( 753,400 households). There was variation evident across the statistical regions (SR), ranging from 91.8\% (76,300 households) in the Northern-North West SR to $99.1 \%$ ( 141,100 households) in the North and West BSD Balance SR.

HOUSEHOLDS: NUMBER OF TELEPHONE CONNECTIONS


The proportion of connected households with both listed and contactable connections in the Brisbane MSR was $77.6 \%$ ( 504,300 households), while in the remainder of the state the proportion was 84.2\% ( 634,200 households).
hOUSEHOLDS: NUMBER OF LISTED \& CONTACTABLE CONNECTIONS


Within Brisbane MSR $71.6 \%$ of persons had the use of a mobile phone compared with $65.2 \%$ for the remainder of the state.

## SUMMARY OF FINDINGS continued

Mobile phones continued The South and East Moreton SR had the highest proportion of persons with the use of a mobile phone (74.6\%) and the Far North SR had the lowest (52.9\%).

|  | CONNECTED |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Person living alone | Couple only | Couple with dependents | Single parent households | All other households | Total |  | Not connected |  | Total(a) |
|  | '000 | '000 | '000 | '000 | '000 | '000 | \% | '000 | \% | '000 |
| Statistical region |  |  |  |  |  |  |  |  |  |  |
| Brisbane MSR |  |  |  |  |  |  |  |  |  |  |
| Brisbane City Inner Ring | 59.8 | 45.1 | 35.7 | 15.1 | 25.8 | 181.5 | 95.0 | 9.6 | 5.0 | 191.0 |
| Brisbane City Outer Ring | 44.9 | 41.7 | 65.4 | 15.3 | 21.4 | 188.6 | 95.0 | 9.9 | 5.0 | 198.6 |
| South and East BSD Balance | 20.9 | 33.9 | 54.6 | 16.1 | 13.2 | 138.8 | 96.8 | *4.5 | *3.2 | 143.4 |
| North and West BSD Balance | 25.1 | 37.1 | 51.2 | 13.0 | 14.8 | 141.1 | 99.1 | *1.3 | *0.9 | 142.5 |
| Total | 150.7 | 157.8 | 206.9 | 59.5 | 75.2 | 650.1 | 96.2 | 25.4 | 3.8 | 675.5 |
| Balance of Queensland MSR |  |  |  |  |  |  |  |  |  |  |
| South and East Moreton | 35.7 | 49.4 | 45.2 | 16.2 | 24.8 | 171.3 | 94.9 | 9.2 | 5.1 | 180.5 |
| North and West Moreton | 26.2 | 44.5 | 45.2 | 10.5 | 8.9 | 135.3 | 96.0 | *5.6 | *4.0 | 140.9 |
| Wide Bay-Burnett | 14.3 | 29.8 | 29.9 | *7.9 | *6.3 | 88.1 | 95.8 | *3.9 | *4.2 | 92.0 |
| Darling Downs-South West | 17.9 | 26.0 | 31.9 | *7.6 | *5.9 | 89.3 | 94.6 | *5.1 | *5.4 | 94.4 |
| Mackay-Fitzroy-Central West | 27.0 | 33.2 | 41.0 | 9.4 | *8.0 | 118.6 | 93.9 | *7.7 | *6.1 | 126.3 |
| Northern-North West | 15.9 | 20.4 | 29.3 | *4.4 | *6.3 | 76.3 | 91.8 | *6.8 | *8.2 | 83.2 |
| Far North | 17.1 | 23.4 | 20.3 | *7.7 | *6.0 | 74.5 | 92.6 | *6.0 | *7.4 | 80.5 |
| Total | 154.0 | 226.7 | 242.9 | 63.7 | 66.2 | 753.4 | 94.4 | 44.3 | 5.6 | 797.7 |
| Queensland | 304.7 | 384.5 | 449.7 | 123.1 | 141.4 | 1403.5 | 95.3 | 69.7 | 4.7 | 1473.2 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
(a) Includes all households, whether connected or not connected, within the scope of this survey. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high Relative Standard Error (RSE), some of the remaining estimates in this table have an RSE between 10\% and 25\% and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.



## Statistical region

| tatistical region |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Brisbane MSR |  |  |  |  |  |  |  |  |  |
| Brisbane City Inner Ring | 156.6 | 82.0 | 24.8 | 13.0 | 181.5 | 95.0 | 9.6 | 5.0 | 191.0 |
| Brisbane City Outer Ring | 159.8 | 80.5 | 28.9 | 14.5 | 188.6 | 95.0 | 9.9 | 5.0 | 198.6 |
| South and East BSD Balance | 123.8 | 86.4 | 15.0 | 10.5 | 138.8 | 96.8 | *4.5 | *3.2 | 143.4 |
| North and West BSD Balance | 116.2 | 81.6 | 24.9 | 17.5 | 141.1 | 99.1 | *1.3 | *0.9 | 142.5 |
| Total | 556.4 | 82.4 | 93.6 | 13.9 | 650.1 | 96.2 | 25.4 | 3.8 | 675.5 |
| Balance of Queensland MSR |  |  |  |  |  |  |  |  |  |
| South and East Moreton | 143.6 | 79.6 | 27.6 | 15.3 | 171.3 | 94.9 | 9.2 | 5.1 | 180.5 |
| North and West Moreton | 117.3 | 83.2 | 18.0 | 12.8 | 135.3 | 96.0 | *5.6 | *4.0 | 140.9 |
| Wide Bay-Burnett | 81.7 | 88.8 | *6.4 | *6.9 | 88.1 | 95.8 | *3.9 | *4.2 | 92.0 |
| Darling Downs-South West | 77.0 | 81.6 | 12.3 | 13.0 | 89.3 | 94.6 | *5.1 | *5.4 | 94.4 |
| Mackay-Fitzroy-Central West | 105.4 | 83.5 | 13.2 | 10.5 | 118.6 | 93.9 | *7.7 | *6.1 | 126.3 |
| Northern-North West | 68.1 | 81.9 | 8.2 | 9.9 | 76.3 | 91.8 | *6.8 | *8.2 | 83.2 |
| Far North | 65.0 | 80.7 | 9.5 | 11.8 | 74.5 | 92.6 | *6.0 | *7.4 | 80.5 |
| Total | 658.2 | 82.5 | 95.2 | 11.9 | 753.4 | 94.4 | 44.3 | 5.6 | 797.7 |
| Queensland | 1214.6 | 82.4 | 188.8 | 12.8 | 1403.5 | 95.3 | 69.7 | 4.7 | 1473.2 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
(a) Includes all households, whether connected or not connected, within the scope of this survey. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between $10 \%$ and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.

|  | One |  | Two or more |  | Total |  | Not contactable |  | Total (a) '000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | '000 | \% | '000 | \% | '000 | \% | '000 | \% |  |
| Statistical region |  |  |  |  |  |  |  |  |  |
| Brisbane MSR |  |  |  |  |  |  |  |  |  |
| Brisbane City Inner Ring | 157.9 | 87.0 | 19.9 | 11.0 | 177.8 | 98.0 | *3.7 | *2.0 | 181.5 |
| Brisbane City Outer Ring | 167.9 | 89.0 | 18.6 | 9.8 | 186.4 | 98.8 | *2.2 | *1.2 | 188.6 |
| South and East BSD Balance | 126.8 | 91.3 | 11.3 | 8.2 | 138.1 | 99.5 | **0.7 | **0.5 | 138.8 |
| North and West BSD Balance | 119.4 | 84.6 | 19.9 | 14.1 | 139.3 | 98.7 | *1.8 | *1.3 | 141.1 |
| Total | 571.9 | 88.0 | 69.7 | 10.7 | 641.6 | 98.7 | 8.4 | 1.3 | 650.1 |
| Balance of Queensland MSR |  |  |  |  |  |  |  |  |  |
| South and East Moreton | 149.4 | 87.2 | 20.3 | 11.9 | 169.7 | 99.1 | *1.6 | *0.9 | 171.3 |
| North and West Moreton | 118.4 | 87.6 | 16.1 | 11.9 | 134.5 | 99.4 | *0.8 | *0.6 | 135.3 |
| Wide Bay-Burnett | 81.7 | 92.7 | *5.6 | *6.4 | 87.3 | 99.1 | *0.8 | *0.9 | 88.1 |
| Darling Downs-South West | 82.4 | 92.3 | *6.9 | *7.7 | 89.3 | 100.0 | - | - | 89.3 |
| Mackay-Fitzroy-Central West | 108.4 | 91.4 | 9.8 | 8.3 | 118.2 | 99.7 | **0.4 | **0.3 | 118.6 |
| Northern-North West | 69.5 | 91.1 | *6.0 | *7.9 | 75.5 | 98.9 | *0.8 | *1.1 | 76.3 |
| Far North | 68.5 | 91.9 | *6.0 | *8.1 | 74.5 | 100.0 | - | - | 74.5 |
| Total | 678.4 | 90.0 | 70.7 | 9.4 | 749.0 | 99.4 | *4.4 | *0.6 | 753.4 |
| Queensland | 1250.3 | 89.1 | 140.4 | 10.0 | 1390.7 | 99.1 | 12.8 | 0.9 | 1403.5 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
** estimate has a relative standard error greater than $50 \%$ and is considered too unreliable for general use
- nil or rounded to zero (including null cells)
(a) Includes all connected households within the scope of this survey. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between $10 \%$ and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.

|  | One |  | Two or more |  | Total |  | Not listed |  | Total(a) '000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | '000 | \% | '000 | \% | '000 | \% | '000 | \% |  |
| Statistical region |  |  |  |  |  |  |  |  |  |
| Brisbane MSR |  |  |  |  |  |  |  |  |  |
| Brisbane City Inner Ring | 139.2 | 76.7 | *6.8 | *3.7 | 146.0 | 80.5 | 35.5 | 19.5 | 181.5 |
| Brisbane City Outer Ring | 144.5 | 76.6 | *7.8 | *4.1 | 152.3 | 80.7 | 36.4 | 19.3 | 188.6 |
| South and East BSD Balance | 97.9 | 70.5 | *5.1 | *3.7 | 103.0 | 74.2 | 35.9 | 25.8 | 138.8 |
| North and West BSD Balance | 103.0 | 73.0 | *7.1 | *5.0 | 110.1 | 78.0 | 31.1 | 22.0 | 141.1 |
| Total | 484.5 | 74.5 | 26.8 | 4.1 | 511.3 | 78.7 | 138.8 | 21.3 | 650.1 |
| Balance of Queensland MSR |  |  |  |  |  |  |  |  |  |
| South and East Moreton | 131.3 | 76.6 | *6.5 | *3.8 | 137.8 | 80.5 | 33.5 | 19.5 | 171.3 |
| North and West Moreton | 112.0 | 82.8 | *5.0 | *3.7 | 117.0 | 86.5 | 18.3 | 13.5 | 135.3 |
| Wide Bay-Burnett | 69.5 | 78.9 | *3.3 | *3.8 | 72.8 | 82.7 | 15.3 | 17.3 | 88.1 |
| Darling Downs-South West | 69.6 | 78.0 | *5.2 | *5.8 | 74.8 | 83.8 | 14.5 | 16.2 | 89.3 |
| Mackay-Fitzroy-Central West | 99.9 | 84.2 | *4.6 | *3.9 | 104.5 | 88.1 | 14.1 | 11.9 | 118.6 |
| Northern-North West | 61.0 | 79.9 | *2.7 | *3.5 | 63.7 | 83.4 | 12.7 | 16.6 | 76.3 |
| Far North | 63.0 | 84.5 | *4.2 | *5.6 | 67.1 | 90.1 | *7.4 | *9.9 | 74.5 |
| Total | 606.3 | 80.5 | 31.4 | 4.2 | 637.7 | 84.6 | 115.7 | 15.4 | 753.4 |
| Queensland | 1090.8 | 77.7 | 58.2 | 4.1 | 1149.1 | 81.9 | 254.4 | 18.1 | 1403.5 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
(a) Includes all connected households within the scope of this survey. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between 10\% and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.

HOUSEHOLDS (a), Number of listed and contactable telephone connections by statistical region(b)

|  | LISTED AND CONTACTABLE |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | One |  | Two or more |  | Total |  | Other connections(c) |  | Total (a) |
|  | '000 | \% | '000 | \% | '000 | \% | '000 | \% | '000 |
| Statistical region |  |  |  |  |  |  |  |  |  |
| Brisbane MSR |  |  |  |  |  |  |  |  |  |
| Brisbane City Inner Ring | 136.3 | 75.1 | *6.0 | *3.3 | 142.3 | 78.4 | 39.1 | 21.6 | 181.5 |
| Brisbane City Outer Ring | 145.4 | 77.1 | *5.4 | *2.9 | 150.8 | 79.9 | 37.8 | 20.1 | 188.6 |
| South and East BSD Balance | 98.5 | 70.9 | *4.5 | *3.3 | 103.0 | 74.2 | 35.9 | 25.8 | 138.8 |
| North and West BSD Balance | 101.5 | 71.9 | *6.8 | *4.8 | 108.2 | 76.7 | 32.9 | 23.3 | 141.1 |
| Total | 481.6 | 74.1 | 22.7 | 3.5 | 504.3 | 77.6 | 145.7 | 22.4 | 650.1 |
| Balance of Queensland MSR |  |  |  |  |  |  |  |  |  |
| South and East Moreton | 130.9 | 76.4 | *5.4 | *3.1 | 136.2 | 79.5 | 35.0 | 20.5 | 171.3 |
| North and West Moreton | 111.6 | 82.5 | *5.0 | *3.7 | 116.6 | 86.2 | 18.6 | 13.8 | 135.3 |
| Wide Bay-Burnett | 69.1 | 78.4 | *2.9 | *3.3 | 72.0 | 81.8 | 16.1 | 18.2 | 88.1 |
| Darling Downs-South West | 71.9 | 80.6 | *2.8 | *3.2 | 74.8 | 83.8 | 14.5 | 16.2 | 89.3 |
| Mackay-Fitzroy-Central West | 99.9 | 84.2 | *4.2 | *3.6 | 104.1 | 87.8 | 14.5 | 12.2 | 118.6 |
| Northern-North West | 61.0 | 79.8 | *2.3 | *3.1 | 63.3 | 82.9 | 13.1 | 17.1 | 76.3 |
| Far North | 63.0 | 84.5 | *4.2 | *5.6 | 67.1 | 90.1 | *7.4 | *9.9 | 74.5 |
| Total | 607.3 | 80.6 | 26.9 | 3.6 | 634.2 | 84.2 | 119.2 | 15.8 | 753.4 |
| Queensland | 1088.9 | 77.6 | 49.6 | 3.5 | 1138.5 | 81.1 | 264.9 | 18.9 | 1403.5 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
(a) Includes all connected households within the scope of this survey. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between $10 \%$ and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.
(c) Includes connections which are listed and not contactable, connections which are not listed and contactable and connections which are neither listed nor contactable. See Glossary for details.

|  | AGE GROUP (YEARS) |  |  |  |  |  |  |  | Total(a) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 18-29 |  | 30-49 |  | 50-69 |  | 70 and over |  |  |
|  | '000 | \% | '000 | \% | '000 | \% | '000 | \% | '000 |
|  |  |  | MALE |  |  |  |  |  |  |
| Employed |  |  |  |  |  |  |  |  |  |
| Connected | 233.3 | 25.3 | 452.6 | 49.2 | 227.6 | 24.7 | 7.0 | 0.8 | 920.6 |
| Not connected | 21.3 | 50.0 | 17.3 | 40.5 | *3.7 | *8.8 | **0.3 | **0.8 | 42.6 |
| Total | 254.7 | 26.4 | 469.9 | 48.8 | 231.4 | 24.0 | 7.4 | 0.8 | 963.3 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Connected | 51.5 | 13.4 | 65.7 | 17.1 | 154.6 | 40.3 | 112.1 | 29.2 | 383.9 |
| Not connected | 7.8 | 37.1 | 4.9 | 23.4 | 5.6 | 26.8 | *2.7 | *12.7 | 21.1 |
| Total | 59.3 | 14.6 | 70.6 | 17.4 | 160.2 | 39.6 | 114.8 | 28.3 | 404.9 |
| Total |  |  |  |  |  |  |  |  |  |
| Connected | 284.8 | 21.8 | 518.3 | 39.7 | 382.2 | 29.3 | 119.1 | 9.1 | 1304.5 |
| Not connected | 29.2 | 45.8 | 22.2 | 34.8 | 9.4 | 14.7 | *3.0 | *4.7 | 63.7 |
| Total | 314.0 | 22.9 | 540.5 | 39.5 | 391.6 | 28.6 | 122.1 | 8.9 | 1368.2 |
| FEMALES |  |  |  |  |  |  |  |  |  |
| Employed |  |  |  |  |  |  |  |  |  |
| Connected | 217.0 | 28.6 | 381.0 | 50.2 | 159.7 | 21.0 | *2.0 | *0.3 | 759.7 |
| Not connected | 15.1 | 69.2 | 6.0 | 27.6 | **0.7 | **3.1 | - | - | 21.7 |
| Total | 232.1 | 29.7 | 387.0 | 49.5 | 160.4 | 20.5 | *2.0 | *0.3 | 781.4 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Connected | 73.7 | 12.2 | 167.5 | 27.7 | 219.8 | 36.3 | 144.5 | 23.9 | 605.5 |
| Not connected | 12.4 | 63.2 | 5.4 | 27.3 | *1.6 | *7.9 | **0.3 | **1.7 | 19.7 |
| Total | 86.1 | 13.8 | 172.9 | 27.7 | 221.4 | 35.4 | 144.8 | 23.2 | 625.2 |
| Total |  |  |  |  |  |  |  |  |  |
| Connected | 290.7 | 21.3 | 548.5 | 40.2 | 379.5 | 27.8 | 146.4 | 10.7 | 1365.1 |
| Not connected | 27.5 | 66.4 | 11.4 | 27.5 | *2.2 | *5.4 | **0.3 | **0.8 | 41.4 |
| Total | 318.2 | 22.6 | 559.9 | 39.8 | 381.7 | 27.1 | 146.8 | 10.4 | 1406.6 |
| PERSONS |  |  |  |  |  |  |  |  |  |
| Employed |  |  |  |  |  |  |  |  |  |
| Connected | 450.4 | 26.8 | 833.6 | 49.6 | 387.3 | 23.0 | 9.0 | 0.5 | 1680.3 |
| Not connected | 36.4 | 56.5 | 23.3 | 36.1 | *4.4 | *6.9 | **0.3 | **0.5 | 64.4 |
| Total | 486.8 | 27.9 | 856.9 | 49.1 | 391.7 | 22.5 | 9.3 | 0.5 | 1744.7 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Connected | 125.2 | 12.7 | 233.2 | 23.6 | 374.4 | 37.8 | 256.6 | 25.9 | 989.3 |
| Not connected | 20.3 | 49.7 | 10.3 | 25.2 | 7.2 | 17.7 | *3.0 | *7.3 | 40.8 |
| Total | 145.4 | 14.1 | 243.5 | 23.6 | 381.6 | 37.0 | 259.5 | 25.2 | 1030.1 |
| Total |  |  |  |  |  |  |  |  |  |
| Connected | 575.5 | 21.6 | 1066.8 | 40.0 | 761.7 | 28.5 | 265.6 | 9.9 | 2669.6 |
| Not connected | 56.7 | 53.9 | 33.6 | 31.9 | 11.6 | 11.0 | *3.3 | *3.2 | 105.1 |
| Total | 632.2 | 22.8 | 1100.4 | 39.7 | 773.3 | 27.9 | 268.9 | 9.7 | 2774.8 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
** estimate has a relative standard error greater than $50 \%$ and is considered too unreliable for general use
- nil or rounded to zero (including null cells)
(a) Includes all persons within the scope of this survey aged 18 years and over, in both connected and not connected households. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between 10\% and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.

PERSONS (a), Number of contactable telephone connections by age, sex and labour force status(b)

|  | AGE GR | UP (YEA |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 18-29 |  | 30-49 |  | 50-69 |  | 70 and |  | Total(a) |
|  | '000 | \% | '000 | \% | '000 | \% | '000 | \% | '000 |
|  |  |  | MAL |  |  |  |  |  |  |
| Employed |  |  |  |  |  |  |  |  |  |
| Contactable | 232.6 | 25.4 | 448.2 | 49.0 | 226.8 | 24.8 | 7.0 | 0.8 | 914.7 |
| Not contactable | **0.7 | **11.7 | *4.4 | *74.3 | **0.8 | **14.0 | - | - | 6.0 |
| Total | 233.3 | 25.3 | 452.6 | 49.2 | 227.6 | 24.7 | 7.0 | 0.8 | 920.6 |
| Unemployed and not |  |  |  |  |  |  |  |  |  |
| Contactable | 51.5 | 13.5 | 65.3 | 17.1 | 153.8 | 40.3 | 110.8 | 29.0 | 381.4 |
| Not contactable | - | - | **0.4 | **17.0 | **0.7 | **29.1 | *1.3 | *53.9 | *2.5 |
| Total | 51.5 | 13.4 | 65.7 | 17.1 | 154.6 | 40.3 | 112.1 | 29.2 | 383.9 |
| Total |  |  |  |  |  |  |  |  |  |
| Contactable | 284.1 | 21.9 | 513.5 | 39.6 | 380.6 | 29.4 | 117.8 | 9.1 | 1296.1 |
| Not contactable | **0.7 | **8.3 | 4.8 | 57.5 | *1.6 | *18.4 | *1.3 | *15.8 | 8.4 |
| Total | 284.8 | 21.8 | 518.3 | 39.7 | 382.2 | 29.3 | 119.1 | 9.1 | 1304.5 |


| FEMALES |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Employed |  |  |  |  |  |  |  |  |  |
| Contactable | 216.4 | 28.6 | 378.1 | 50.1 | 159.0 | 21.0 | *2.0 | *0.3 | 755.4 |
| Not contactable | **0.7 | **16.1 | *2.9 | *67.6 | **0.7 | **16.3 | - | - | *4.3 |
| Total | 217.0 | 28.6 | 381.0 | 50.2 | 159.7 | 21.0 | *2.0 | *0.3 | 759.7 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Contactable | 73.7 | 12.2 | 166.1 | 27.6 | 219.8 | 36.5 | 142.7 | 23.7 | 602.3 |
| Not contactable | - | - | *1.4 | *45.0 | - | - | *1.7 | *55.0 | *3.2 |
| Total | 73.7 | 12.2 | 167.5 | 27.7 | 219.8 | 36.3 | 144.5 | 23.9 | 605.5 |
| Total |  |  |  |  |  |  |  |  |  |
| Contactable | 290.0 | 21.4 | 544.2 | 40.1 | 378.8 | 27.9 | 144.7 | 10.7 | 1357.7 |
| Not contactable | **0.7 | **9.3 | *4.3 | *58.0 | **0.7 | **9.4 | *1.7 | *23.3 | 7.4 |
| Total | 290.7 | 21.3 | 548.5 | 40.2 | 379.5 | 27.8 | 146.4 | 10.7 | 1365.1 |


| PERSONS |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Employed |  |  |  |  |  |  |  |  |  |
| Contactable | 449.0 | 26.9 | 826.3 | 49.5 | 385.8 | 23.1 | 9.0 | 0.5 | 1670.1 |
| Not contactable | *1.4 | *13.6 | 7.3 | 71.5 | *1.5 | *15.0 | - | - | 10.2 |
| Total | 450.4 | 26.8 | 833.6 | 49.6 | 387.3 | 23.0 | 9.0 | 0.5 | 1680.3 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Contactable | 125.2 | 12.7 | 231.4 | 23.5 | 373.7 | 38.0 | 253.5 | 25.8 | 983.7 |
| Not contactable | - | - | *1.8 | *32.7 | **0.7 | **12.8 | *3.1 | *54.5 | 5.6 |
| Total | 125.2 | 12.7 | 233.2 | 23.6 | 374.4 | 37.8 | 256.6 | 25.9 | 989.3 |
| Total |  |  |  |  |  |  |  |  |  |
| Contactable | 574.2 | 21.6 | 1057.7 | 39.9 | 759.4 | 28.6 | 262.5 | 9.9 | 2653.8 |
| Not contactable | *1.4 | *8.7 | 9.2 | 57.7 | *2.3 | *14.2 | *3.1 | *19.3 | 15.9 |
| Total | 575.5 | 21.6 | 1066.8 | 40.0 | 761.7 | 28.5 | 265.6 | 9.9 | 2669.6 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
** estimate has a relative standard error greater than $50 \%$ and is considered too unreliable for general use
- nil or rounded to zero (including null cells)
(a) Includes all persons within the scope of this survey aged 18 years and over, in connected households. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between $10 \%$ and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.

PERSONS(a), Number of listed telephone connections by age, sex and labour force status(b)


FEMALES

| Employed |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\quad$ Listed | 174.9 | 27.9 | 309.9 | 49.4 | 140.0 | 22.3 | $* 2.0$ | $* 0.3$ | 626.9 |
| $\quad$ Not listed | 42.1 | 31.7 | 71.0 | 53.5 | 19.7 | 14.8 | - | - | 132.8 |
| $\quad$ Total | 217.0 | 28.6 | 381.0 | 50.2 | 159.7 | 21.0 | $* 2.0$ | $* 0.3$ | 759.7 |
|  |  |  |  |  |  |  |  |  |  |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| $\quad$ Listed | 52.2 | 10.6 | 122.3 | 24.8 | 187.3 | 38.0 | 131.7 | 26.7 | 493.5 |
| $\quad$ Not listed | 21.5 | 19.2 | 45.2 | 40.4 | 32.5 | 29.0 | 12.8 | 11.4 | 112.0 |
| $\quad$ Total | 73.7 | 12.2 | 167.5 | 27.7 | 219.8 | 36.3 | 144.5 | 23.9 | 605.5 |
| $\quad$ Total |  |  |  |  |  |  |  |  |  |
| $\quad$ Listed | 227.1 | 20.3 | 432.3 | 38.6 | 327.3 | 29.2 | 133.7 | 11.9 | 1120.3 |
| $\quad$ Not listed | 63.6 | 26.0 | 116.3 | 47.5 | 52.2 | 21.3 | 12.8 | 5.2 | 244.8 |
| $\quad$ Total | 290.7 | 21.3 | 548.5 | 40.2 | 379.5 | 27.8 | 146.4 | 10.7 | 1365.1 |


| PERSONS |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Employed |  |  |  |  |  |  |  |  |  |
| Listed | 368.6 | 26.5 | 677.9 | 48.7 | 338.0 | 24.3 | 8.7 | 0.6 | 1393.2 |
| Not listed | 81.8 | 28.5 | 155.7 | 54.2 | 49.3 | 17.2 | **0.3 | **0.1 | 287.1 |
| Total | 450.4 | 26.8 | 833.6 | 49.6 | 387.3 | 23.0 | 9.0 | 0.5 | 1680.3 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Listed | 93.5 | 11.6 | 166.3 | 20.6 | 318.8 | 39.4 | 229.9 | 28.4 | 808.6 |
| Not listed | 31.6 | 17.5 | 66.9 | 37.0 | 55.6 | 30.7 | 26.6 | 14.7 | 180.8 |
| Total | 125.2 | 12.7 | 233.2 | 23.6 | 374.4 | 37.8 | 256.6 | 25.9 | 989.3 |
| Total |  |  |  |  |  |  |  |  |  |
| Listed | 462.1 | 21.0 | 844.2 | 38.3 | 656.8 | 29.8 | 238.6 | 10.8 | 2201.8 |
| Not listed | 113.4 | 24.2 | 222.6 | 47.6 | 104.8 | 22.4 | 27.0 | 5.8 | 467.9 |
| Total | 575.5 | 21.6 | 1066.8 | 40.0 | 761.7 | 28.5 | 265.6 | 9.9 | 2669.6 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
** estimate has a relative standard error greater than $50 \%$ and is considered too unreliable for general use
- nil or rounded to zero (including null cells)
(a) Includes all persons within the scope of this survey aged 18 years and over, in connected households. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between 10\% and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.

|  | AGE GROUP (YEARS) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 18-29 |  | 30-49 |  | 50-69 |  | 70 and over |  | Total(a) |
|  | '000 | \% | '000 | \% | '000 | \% | '000 | \% | '000 |
| MALES |  |  |  |  |  |  |  |  |  |
| Employed |  |  |  |  |  |  |  |  |  |
| Listed \& contactable | 193.3 | 25.4 | 365.3 | 47.9 | 196.9 | 25.8 | 6.7 | 0.9 | 762.2 |
| Other connections(c) | 40.0 | 25.3 | 87.3 | 55.1 | 30.7 | 19.4 | **0.3 | **0.2 | 158.4 |
| Total | 233.3 | 25.3 | 452.6 | 49.2 | 227.6 | 24.7 | 7.0 | 0.8 | 920.6 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Listed \& contactable | 41.4 | 13.2 | 44.0 | 14.0 | 130.8 | 41.7 | 97.3 | 31.0 | 313.4 |
| Other connections(c) | 10.1 | 14.4 | 21.7 | 30.8 | 23.8 | 33.7 | 14.8 | 21.0 | 70.4 |
| Total | 51.5 | 13.4 | 65.7 | 17.1 | 154.6 | 40.3 | 112.1 | 29.2 | 383.9 |
| Total |  |  |  |  |  |  |  |  |  |
| Listed \& contactable | 234.6 | 21.8 | 409.3 | 38.1 | 327.7 | 30.5 | 104.0 | 9.7 | 1075.6 |
| Other connections(c) | 50.2 | 21.9 | 109.0 | 47.6 | 54.5 | 23.8 | 15.2 | 6.6 | 228.9 |
| Total | 284.8 | 21.8 | 518.3 | 39.7 | 382.2 | 29.3 | 119.1 | 9.1 | 1304.5 |

FEMALES

| Employed |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Listed \& contactable | 173.9 | 27.9 | 308.0 | 49.4 | 139.3 | 22.4 | *2.0 | *0.3 | 623.1 |
| Other connections(c) | 43.2 | 31.6 | 73.0 | 53.4 | 20.4 | 14.9 | - | - | 136.6 |
| Total | 217.0 | 28.6 | 381.0 | 50.2 | 159.7 | 21.0 | *2.0 | *0.3 | 759.7 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Listed \& contactable | 52.2 | 10.6 | 121.0 | 24.7 | 187.3 | 38.2 | 130.0 | 26.5 | 490.4 |
| Other connections(c) | 21.5 | 18.7 | 46.6 | 40.5 | 32.5 | 28.3 | 14.5 | 12.6 | 115.1 |
| Total | 73.7 | 12.2 | 167.5 | 27.7 | 219.8 | 36.3 | 144.5 | 23.9 | 605.5 |
| Total |  |  |  |  |  |  |  |  |  |
| Listed \& contactable | 226.0 | 20.3 | 429.0 | 38.5 | 326.6 | 29.3 | 131.9 | 11.8 | 1113.5 |
| Other connections(c) | 64.7 | 25.7 | 119.5 | 47.5 | 52.9 | 21.0 | 14.5 | 5.8 | 251.6 |
| Total | 290.7 | 21.3 | 548.5 | 40.2 | 379.5 | 27.8 | 146.4 | 10.7 | 1365.1 |
| PERSONS |  |  |  |  |  |  |  |  |  |
| Employed |  |  |  |  |  |  |  |  |  |
| Listed \& contactable | 367.1 | 26.5 | 673.3 | 48.6 | 336.2 | 24.3 | 8.7 | 0.6 | 1385.3 |
| Other connections(c) | 83.2 | 28.2 | 160.3 | 54.3 | 51.1 | 17.3 | **0.3 | **0.1 | 295.0 |
| Total | 450.4 | 26.8 | 833.6 | 49.6 | 387.3 | 23.0 | 9.0 | 0.5 | 1680.3 |
| Unemployed and not in labour force |  |  |  |  |  |  |  |  |  |
| Listed \& contactable | 93.5 | 11.6 | 165.0 | 20.5 | 318.1 | 39.6 | 227.2 | 28.3 | 803.8 |
| Other connections(c) | 31.6 | 17.1 | 68.3 | 36.8 | 56.3 | 30.3 | 29.3 | 15.8 | 185.5 |
| Total | 125.2 | 12.7 | 233.2 | 23.6 | 374.4 | 37.8 | 256.6 | 25.9 | 989.3 |
| Total |  |  |  |  |  |  |  |  |  |
| Listed \& contactable | 460.7 | 21.0 | 838.3 | 38.3 | 654.3 | 29.9 | 235.9 | 10.8 | 2189.1 |
| Other connections(c) | 114.9 | 23.9 | 228.6 | 47.6 | 107.4 | 22.4 | 29.6 | 6.2 | 480.5 |
| Total | 575.5 | 21.6 | 1066.8 | 40.0 | 761.7 | 28.5 | 265.6 | 9.9 | 2669.6 |

* estimate has a relative standard error of $25 \%$ to $50 \%$ and should be used with caution
** estimate has a relative standard error greater than $50 \%$ and is considered too unreliable for general use
- nil or rounded to zero (including null cells)
(a) Includes all persons within the scope of this survey aged 18 years and over, in connected households. See Glossary for details.
(b) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between $10 \%$ and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.
(c) Includes connections which are listed and not contactable, connections which are not listed and contactable and connections which are neither listed nor contactable. See Glossary for details.

|  | Had use |  | Didn't have use |  | Total(a) '000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | '000 | \% | '000 | \% |  |
| Statistical region |  |  |  |  |  |
| Brisbane MSR |  |  |  |  |  |
| Brisbane City Inner Ring | 248.8 | 73.7 | 88.6 | 26.3 | 337.4 |
| Brisbane City Outer Ring | 264.2 | 68.2 | 123.0 | 31.8 | 387.1 |
| South and East BSD Balance | 211.3 | 72.2 | 81.4 | 27.8 | 292.7 |
| North and West BSD Balance | 208.1 | 73.0 | 77.1 | 27.0 | 285.2 |
| Total | 932.3 | 71.6 | 370.1 | 28.4 | 1302.4 |
| Balance of Queensland MSR |  |  |  |  |  |
| South and East Moreton | 255.7 | 74.6 | 87.0 | 25.4 | 342.7 |
| North and West Moreton | 180.1 | 68.4 | 83.1 | 31.6 | 263.2 |
| Wide Bay-Burnett | 94.5 | 55.6 | 75.3 | 44.4 | 169.9 |
| Darling Downs-South West | 110.7 | 63.2 | 64.4 | 36.8 | 175.2 |
| Mackay-Fitzroy-Central West | 146.2 | 63.2 | 85.1 | 36.8 | 231.3 |
| Northern-North West | 99.6 | 66.1 | 51.0 | 33.9 | 150.7 |
| Far North | 73.7 | 52.9 | 65.7 | 47.1 | 139.4 |
| Total | 960.6 | 65.2 | 511.7 | 34.8 | 1472.3 |
| Queensland | 1892.9 | 68.2 | 881.9 | 31.8 | 2774.8 |

(a) Includes all persons within the scope of this survey aged 18 years and over. See Glossary for details.
(b) Includes all use of a mobile phone including access to mobile phones supplied by an employer and shared access of a mobile phone.

|  | AGE GROUP (YEARS) |  |  |  |  |  |  |  | Total (a) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 18-29 |  | 30-49 |  | 50-69 |  | 70 years and over |  |  |
|  | '000 | \% | '000 | \% | '000 | \% | '000 | \% | '000 |
|  | MALES |  |  |  |  |  |  |  |  |
| Connected | 232.3 | 25.5 | 401.7 | 44.1 | 242.3 | 26.6 | 33.7 | 3.7 | 910.0 |
| Not Connected | 21.3 | 47.2 | 17.7 | 39.2 | 5.4 | 12.0 | **0.7 | **1.6 | 45.2 |
| Total | 253.6 | 26.6 | 419.4 | 43.9 | 247.8 | 25.9 | 34.4 | 3.6 | 955.2 |
|  | FEMALES |  |  |  |  |  |  |  |  |
| Connected | 244.8 | 27.0 | 420.0 | 46.4 | 211.9 | 23.4 | 29.2 | 3.2 | 905.8 |
| Not Connected | 21.9 | 68.6 | 8.9 | 28.0 | **1.1 | **3.4 | - | - | 31.9 |
| Total | 266.7 | 28.4 | 428.9 | 45.7 | 212.9 | 22.7 | 29.2 | 3.1 | 937.8 |
| PERSONS |  |  |  |  |  |  |  |  |  |
| Connected | 477.1 | 26.3 | 821.6 | 45.2 | 454.2 | 25.0 | 62.9 | 3.5 | 1815.8 |
| Not Connected | 43.3 | 56.1 | 26.7 | 34.6 | 6.5 | 8.4 | **0.7 | **0.9 | 77.1 |
| Total | 520.4 | 27.5 | 848.3 | 44.8 | 460.7 | 24.3 | 63.6 | 3.4 | 1892.9 |

** 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 all persons within the scope of this survey aged 18 years and over who had use of a mobile phone. See Glossary for details.
(b) Includes all use of a mobile phone including access to mobile phones supplied by an employer and shared access of a mobile phone.
(c) In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates in this table have an RSE between $10 \%$ and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes. Refer to the Technical Note.

INTRODUCTION

SCOPE

COVERAGE

STATISTICAL REGION ESTIMATES

1 This publication contains results from the October 2003 State Supplementary Survey, Bicycle Usage and Household Telephone Connections, Queensland. It presents information on fixed telephone connections of households and individuals, as well as a persons access to a mobile phone. The focus is on whether households and individuals can be contacted by telephone. Information about bicycle usage is included in the publication Bicycle Usage, Queensland, October 2003 (cat. no. 9215.3).

2 The survey was conducted throughout Queensland during the two weeks commencing Monday 6 October 2003, as a supplement to the ABS Monthly Population Survey (MPS). The MPS is a multi-stage area sample of private dwellings and non-private dwellings (hotels, motels, caravan parks, etc.). Information is obtained from the occupants of selected dwellings by specially trained interviewers.
3 Details of the design, scope and coverage of the Monthly Population Survey are in the ABS publication, Australian Labour Market Statistics (cat. no. 6105.0) and the Information Paper: Labour Force Survey Sample Design (cat. no. 6269.0).

4 Information was collected by either face-to-face or telephone interview from one responsible adult in each household on behalf of all household members aged 15 years and over. While data was collected for 15-17 year olds, estimates are not included in this publication. This survey was conducted using seven-eighths of $90 \%$ of the sample of private dwellings in Queensland that were included in the Monthly Population Survey and excluded:

- residents of non-private dwellings such as hospitals and motels
- visitors to the household
- members of the permanent defence forces
- certain diplomatic personnel of overseas governments, customarily excluded from censuses and surveys
- overseas residents in Australia
- members of non-Australian defence forces (and their dependants) stationed in Australia.

5 Coverage rules were applied to ensure that each person was associated with only one dwelling and hence had only one chance of selection in the survey.

6 While the MPS is designed primarily to produce reliable estimates at the national, state and territory levels, it also delivers estimates for a number of regions within states. The statistical regions used in this publication are based on the standard geographical regions defined in the 2001 edition of Australian Standard Geographical Classification (ASGC) (cat. no. 1216.0). However, the survey is not designed to provide accurate regional estimates. Since estimates for regions are components of corresponding estimates at the state level - and are thus based on considerably smaller samples they are subject to higher relative standard errors. Care should therefore be taken in the interpretation of regional estimates.

7 Estimates have been rounded. Discrepancies may occur between sums of the component items and totals due to the effect of rounding. Published percentages are calculated prior to rounding of the figures and therefore some discrepancy may occur between these percentages and those that could be calculated from the rounded figures.

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

9 Other ABS publications which relate to this survey topic include:

## EXPLANATORY NOTES continued

RELATED PUBLICATIONS
continued

PREVIOUS STATE
SUPPLEMENTARY SURVEYS

Census of Population and Housing, 2001
Household Telephone Connections, Australia, March 1986, cat. no. 4110.0
Household Telephone Connections, Australia, March 1983, cat. no. 4110.0

10 Previous Queensland State Supplementary Survey publications are:
Managing Paid Employment and Unpaid Caring Responsibilities, Queensland, October 2002, cat. no. 4903.3

Safety in the Home, Queensland, October 2001, cat. no. 4387.3
Population Mobility, Queensland, October 2000, cat. no. 3237.3
Working Hours of Wage and Salary Earners, Queensland, October 1999, cat. no. 6344.3

Persons Aged Fifty Years and Over, Queensland, October 1998, cat. no. 4139.3
Travel to and from Work and Place of Study, Brisbane and Moreton Statistical Divisions, Queensland, October 1997, cat. no. 9201.3
Survey of Safety in the Home, Queensland, October 1996, cat. no. 4387.3
Knowledge and Use of the Queensland Government Seniors Card, October 1995, cat. no. 8178.3
Overseas and Interstate Visitors to Queensland Households and Interstate Trips by Queenslanders, October 1994, cat. no. 8633.3
Participation in Sporting and Physical Recreational Activities, Queensland, October 1993, cat. no. 4110.3
Housing Intentions, Preferences and Attitudes, Queensland, October 1991, cat. no. 8710.3
Consumer Credit, Queensland, October 1990, cat. no. 5670.3
ADDITIONAL DATA

11 Additional data for this current survey (Bicycle Usage and Household Telephone Connections, Queensland 2003) are available subject to confidentiality and data quality restrictions.

12 The data are available on a fee-for-service basis. For further information about this service, please contact the National Information and Referral Service on 1300135070.

Non-sampling error

## Sampling error

ESTIMATES OF SAMPLING ERROR

1 The estimates provided in this publication are based on a sample of approximately 4,300 households containing 8,500 persons who were aged 15 years and over in Queensland in October 2003. Estimates are subject to sampling and non-sampling error.

2 Non-sampling error may arise as a result of error in the reporting, recording or processing of the data and can occur even if there is a complete enumeration of the population. Non-sampling error can be introduced through inadequacies in the questionnaire, non-response, inaccurate reporting by respondents, error in the application of survey procedures, incorrect recording of answers and errors in data entry and processing.

3 It is difficult to measure the size of the non-sampling error. The extent of this error could vary considerably from survey to survey and from question to question. Every effort is made in the design of the survey and development of survey procedures to minimise the effect of this type of error.

4 Sampling error is the difference which would be expected between the estimate from a sample and the corresponding figure that would have been obtained from a survey using the same questionnaire and procedures involving the entire population.

5 One measure of the variability of estimates which occurs as a result of surveying only a sample of the population is the standard error (SE).

6 There are about two chances in three (67\%) that a survey estimate is within one standard error of the figure that would have been obtained if all households/persons had been included in the survey. There are about nineteen chances in twenty ( $95 \%$ ) that the estimate will lie within two standard errors.

7 The standard error can also be expressed as a percentage of the estimate. This is known as the relative standard error (RSE). The RSE is determined by dividing the standard error of an estimate $\mathrm{SE}(\mathrm{x})$ by the estimate x and expressing it as a percentage. That is: $\operatorname{RSE}(\mathrm{x})=100 * \operatorname{SE}(\mathrm{x}) / \mathrm{x}$ (where x is the estimate). The RSE is a measure of the percentage error likely to have occurred due to sampling.

8 Tables T1 and T2 give approximate household and person weight RSEs for this survey, for general application to estimates. These figures will not give a precise measure of the SE of a particular estimate, but they will provide an indication of its magnitude.

9 Linear interpolation is used to calculate the standard error of estimates falling between the sizes of estimates listed in the table.

10 Proportions of a total and percentages formed from the ratio of two estimates are also subject to sampling error. The size of the error depends on the accuracy of both the numerator and the denominator. The formula for the relative standard error of a proportion or percentage is:
$\operatorname{RSE}\left(\frac{x}{y}\right)=\sqrt{[R S E(x)]^{2}-[R S E(y)]^{2}}$

11 Estimates derived from very small sample sizes are subject to such high RSEs as to detract seriously from their value for most reasonable uses. In this survey, household estimates between 8,182 and 718 have a RSE between $25 \%$ and $50 \%$ and have been indicated with the symbol ' $*$ '. Household estimates smaller than 718 have an RSE greater than $50 \%$ and have been indicated with the symbol '**'. Person estimates between 4,437 and 1,180 have an RSE between $25 \%$ and $50 \%$ and have been indicated with the symbol '*'. Person estimates smaller than 1,180 have an RSE greater than $50 \%$ and have been indicated with the symbol '**'. Any estimate preceded by '*' or '**' symbol should be used with caution as it is subject to sampling variability too high for most practical purposes.

## TECHNICAL NOTE continued

ESTIMATES OF SAMPLING
ERROR continued

12 In addition to estimates with asterisks to indicate high RSEs, some of the remaining estimates from the survey have an RSE between $10 \%$ and $25 \%$ and should be used with caution as they are subject to sampling variability considered high for some purposes.
Household estimates between 50,906 and 8,182 have a RSE between $10 \%$ and $25 \%$, while person estimates between 23,191 and 4,437 have an RSE between $10 \%$ and $25 \%$.

T1: STANDARD ERRORS OF ESTIMATES OF QUEENSLAND HOUSEHOLDS—OCTOBER 2003

| Size of |  |  |
| :--- | ---: | ---: |
| estimate |  |  |
| (households) | Standard <br> error | Relative <br> standard <br> error |
| 300 | no. | $\%$ |
| 500 | 170 | 55.4 |
| 700 | 260 | 52.7 |
| 1000 | 350 | 50.2 |
| 1500 | 470 | 47.1 |
| 2000 | 650 | 43.2 |
| 2500 | 800 | 40.2 |
| 3000 | 950 | 37.8 |
| 3500 | 1050 | 35.8 |
| 4000 | 1200 | 34.1 |
| 5000 | 1300 | 32.6 |
| 7000 | 1500 | 30.2 |
| 10000 | 1850 | 26.6 |
| 15000 | 2300 | 23.0 |
| 20000 | 2850 | 19.2 |
| 30000 | 3350 | 16.7 |
| 40000 | 4050 | 13.5 |
| 50000 | 4600 | 11.5 |
| 100000 | 5050 | 10.1 |
| 150000 | 6550 | 6.5 |
| 200000 | 7450 | 5.0 |
| 300000 | 8050 | 4.0 |
| 500000 | 8900 | 3.0 |
| 1000000 | 9850 | 2.0 |
| 2000000 | 10850 | 1.1 |
| 5000000 | 11400 | 0.6 |
|  | 11250 | 0.2 |

## TECHNICAL NOTE continued

ESTIMATES OF SAMPLING ERROR continued

T2: STANDARD ERRORS OF ESTIMATES OF QUEENSLAND PERSONS—OCTOBER 2003
\(\left.$$
\begin{array}{lrr}\text { Size of } \\
\text { estimate } \\
\text { (persons) }\end{array}
$$ \quad $$
\begin{array}{rrr}\text { Standard } \\
\text { error }\end{array}
$$ \quad \begin{array}{r}Relative <br>
standard <br>

error\end{array}\right]\)|  | no. | $\%$ |
| :--- | ---: | ---: |
| 300 | 280 | 93.5 |
| 500 | 360 | 72.9 |
| 700 | 430 | 61.7 |
| 1000 | 520 | 51.6 |
| 1500 | 630 | 42.0 |
| 2000 | 720 | 36.1 |
| 2500 | 800 | 32.2 |
| 3000 | 900 | 29.2 |
| 3500 | 950 | 26.9 |
| 4000 | 1000 | 25.1 |
| 5000 | 1100 | 22.2 |
| 7000 | 1300 | 18.5 |
| 10000 | 1500 | 15.2 |
| 15000 | 1800 | 12.1 |
| 20000 | 2050 | 10.3 |
| 30000 | 2450 | 8.2 |
| 40000 | 2750 | 6.9 |
| 50000 | 3050 | 6.1 |
| 100000 | 4050 | 4.0 |
| 150000 | 4750 | 3.2 |
| 200000 | 5300 | 2.6 |
| 300000 | 6150 | 2.1 |
| 500000 | 7450 | 1.5 |
| 1000000 | 9550 | 1.0 |
| 2000000 | 12150 | 0.6 |
| 5000000 | 16400 | 0.3 |

## GLOSSARY

Contactable telephone

## Couple with dependents

Labour force status

Listed and contactable telephone connection

Listed telephone connection

Major Statistical Region (MSR)

Not in labour force
connection

Couple A couple family is based on two persons who are in a registered or de facto marriage and who are usually resident in the same household.

Employed

Household

Mobile phone
A telephone connection that can receive standard telephone calls.

Includes couples, whether legally married or in a de facto relationship, living with their child(ren) aged $0-14$ years and/or their child(ren) aged 15 years and over.

All persons aged 18 years and over who, during the reference week:

- 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)
- worked for one hour or more without pay in a family business or on a farm (i.e. contributing family workers)
- were employees who had a job but were not at work and were: away from work for less than four weeks up to the end of the reference week; or away from work for more than four weeks up to the end of the reference week and received pay for some or all of the four week period to the end of the reference week; or away from work as a standard work or shift arrangement; or on strike or locked out; or on workers' compensation and expected to return to their job
- were employers or own account workers, who had a job, business or farm, but were not at work.

A group of people who live together (in a single dwelling) as a single unit in the sense that they have common housekeeping arrangements, such as common provision for food and other essentials of living. All other households includes any other household not covered in the other household types for example unrelated persons sharing a household.

For any group, persons who were employed or unemployed as defined.
A classification of the civilian population aged 15 years and over into employed and unemployed as defined. The definitions conform closely to the international standard definitions adopted by the International Conferences of Labour Statisticians.

A telephone connection that is both listed in the residential section of Telstra's White Pages directory and is able to receive standard telephone calls.

A telephone connection that has a number listed in the residential section of Telstra's White Pages directories. Excluded are numbers listed in any other type of directory, for example community directories, business directories such as 'Yellow Pages'.

Brisbane MSR equates with Brisbane Statistical Division while Balance of Queensland MSR equates with the balance of Statistical Divisions in Queensland. Further information may be obtained from Statistical Geography Volume 1 Australian Standard Geographical Classification (ASGC) 2001 (cat. no. 1216.0).

A telephone using mobile transmission networks rather than a fixed 'landline' telephone connection. Excludes 'portable' or 'cordless' telephones which still operate via a fixed household telephone connection.

Persons who were not in the categories employed or unemployed, as defined. They include persons who were keeping house (unpaid), retired, voluntarily inactive, permanently unable to work, persons in institutions (hospitals, gaols, sanatoriums, etc.), trainee teachers, members of contemplative religious orders, and persons whose only activity during the reference week was jury service or unpaid voluntary work for a charitable organisation.

## GLOSSARY continued

## Other connections

Refers to connections that are listed and not contactable (for example, the listed number may have been solely for a fax machine); as well as connections that are not listed and contactable (for example, in the use of silent numbers); as well as connections which are neither listed nor contactable (for example, numbers used solely for a fax machine which are also silent numbers).

## Person living alone <br> Person who had use of a mobile phone

Private dwellings

Single parent households
Telephone connection

Unemployed

Usual residents

A person who is the sole member of a household.
Any person aged 18 years and over who has use of a mobile telephone. This includes use of a mobile phone supplied by an employer and shared access of a mobile phone.

Includes houses, flats, units or apartments; and excludes hospitals, motels, caravans, tents, cabins, houseboats, improvised homes and campers.

Includes one person, living only with his/her child(ren).
A single fixed telephone connection or line with its own telephone number attached. Includes lines which are used partially or totally for fax or Internet connection.

Persons aged 18 years and over who were not employed during the reference week, and:

- had actively looked for full-time or part-time work at any time in the four weeks up to the end of the reference week and were available for work in the reference week
- were waiting to start a new job within four weeks from the end of the reference week and could have started in the reference week if the job had been available then.

All persons who usually live in the household (i.e. excludes visitors).

| INTERNET | www.abs.gov.au the ABS web site is the best place to <br> start for access to summary data from our latest <br> publications, information about the ABS, advice about <br> upcoming releases, our catalogue, and Australia Now-a <br> statistical profile. |
| :--- | :--- |
| LIBRARY | A range of ABS publications is available from public and <br> tertiary libraries Australia-wide. Contact your nearest library <br> to determine whether it has the ABS statistics you require, <br> or visit our web site for a list of libraries. |
| CPI INFOLINE | For current and historical Consumer Price Index data, call <br> 1902 981 074 (call cost 77c per minute). |
| DIAL-A-STATISTICFor the latest figures for National Accounts, Balance of <br> Payments, Labour Force, Average Weekly Earnings, |  |
| Estimated Resident Population and the Consumer Price <br> Index call 1900 986 400 (call cost 77c per minute). |  |

## INFORMATION SERVICE

Data already published that can be provided within five minutes will be free of charge. Our information consultants can also help you to access the full range of ABS information-ABS user pays services can be tailored to your needs, time frame and budget. Publications may be purchased. Specialists are on hand to help you with analytical or methodological advice.

|  | Data already published that can be provided within five <br> minutes will be free of charge. Our information consultant <br> can also help you to access the full range of ABS <br> information-ABS user pays services can be tailored to <br> your needs, time frame and budget. Publications may be <br> purchased. Specialists are on hand to help you with <br> analytical or methodological advice. |
| :--- | :--- |
| PHONE | 1300135070 |
| EMAIL | client.services@abs.gov.au |
| FAX | 1300135211 |
| POST | Client Services, ABS, GPO Box 796, Sydney NSW 2001 |

## WHY NOT SUBSCRIBE?

ABS subscription services provide regular, convenient and prompt deliveries of ABS publications and products as they are released. Email delivery of monthly and quarterly publications is available.

PHONE 1300366323
EMAIL subscriptions@abs.gov.au
FAX (03) 96157848
POST Subscription Services, ABS, GPO Box 2796Y, Melbourne Vic 3001

