



**Australian Government**

**Department of Infrastructure, Transport, Cities and Regional Development**

Bureau of Infrastructure, Transport and Regional Economics

# **Yearbook 2019**

Progress in Australian Regions





# Progress 1: Society



The society domain primarily concerns measures of human health, wellbeing and quality of life. Individuals value these qualities, and seek to achieve high levels for themselves, families and communities.

Governments, community groups, private organisations and individuals work to create better living conditions. Social progress is measured by improvements in health, reductions in threats to social cohesion, and increased access to social goods and opportunities.<sup>8</sup>

| Society  |       |  |       |
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<sup>8</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

## P 1.1 Health and wellbeing

### P 1.1.1 Life expectancy at birth

Life expectancy is one of the most widely used and internationally recognised indicators of population health. It focuses on the length of life rather than its quality, but provides a useful measure of the general health of the population.

Continuous improvements in life expectancy at birth indicate that an increasing proportion of people in a region are living long and healthy lives. Good health improves the wellbeing of individuals and the community. For individuals, good health means a life free of the burdens of illness and the associated financial and social costs. For a region, a healthy population is more able to contribute to society through participation in employment, education and social activities. A good level of health also brings about reduced direct costs to the region through lower health care costs.<sup>9</sup>

- Life expectancy in Australia increased by 0.4 years from 82.1 years in 2013 to 82.5 years in 2017.

#### *Life expectancy at birth across sub-state regions*

- In 2017, of the capital city and rest of state regions, Greater Melbourne recorded the highest life expectancy of 84.0 years. In contrast, rest of Northern Territory recorded the lowest life expectancy of 74.2 years.
- In 2017, of the sub-state regions Sydney - North Sydney and Hornsby had the highest life expectancy of 86.6 years.
- Life expectancy declined in several sub-state regions, with the largest fall occurring in Tasmania - West and North by 0.6 years to be 79.4 years in 2017.
- The largest increase was in Tasmania - South East, where life expectancy rose by 1.8 years from 79.6 years in 2013 to 81.4 years in 2017.

<sup>9</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.



Table P 1.1.1.a Life expectancy at birth by sub-state region

| Sub-State Region                       | 2013<br>years | 2015<br>years | 2017<br>years | 2013 - 2017<br>change years |
|--|---------------|---------------|---------------|-----------------------------|
| <b>New South Wales</b>                 | <b>82.1</b>   | <b>82.4</b>   | <b>82.4</b>   | <b>0.3</b>                  |
| <b>Greater Sydney</b>                  | <b>83.2</b>   | <b>83.5</b>   | <b>83.8</b>   | <b>0.6</b>                  |
| Central Coast                          | 80.6          | 80.8          | 81.3          | 0.7                         |
| Sydney - Baulkham Hills and Hawkesbury | 85.0          | 85.3          | 85.5          | 0.5                         |
| Sydney - Blacktown                     | 81.5          | 81.7          | 81.9          | 0.4                         |
| Sydney - City and Inner South          | 81.8          | 81.9          | 82.8          | 1.0                         |
| Sydney - Eastern Suburbs               | 84.2          | 84.5          | 84.8          | 0.6                         |
| Sydney - Inner South West              | 83.5          | 83.7          | 83.7          | 0.2                         |
| Sydney - Inner West                    | 84.1          | 84.7          | 84.9          | 0.8                         |
| Sydney - North Sydney and Hornsby      | 85.4          | 86.0          | 86.6          | 1.2                         |
| Sydney - Northern Beaches              | 84.7          | 85.0          | 85.2          | 0.5                         |
| Sydney - Outer South West              | 81.6          | 82.1          | 82.1          | 0.5                         |
| Sydney - Outer West and Blue Mountains | 81.7          | 81.9          | 81.9          | 0.2                         |
| Sydney - Parramatta                    | 82.8          | 83.0          | 83.6          | 0.8                         |
| Sydney - Ryde                          | 85.1          | 85.4          | 85.4          | 0.3                         |
| Sydney - South West                    | 83.0          | 82.8          | 83.3          | 0.3                         |
| Sydney - Sutherland                    | 84.3          | 84.6          | 84.9          | 0.6                         |
| <b>Rest of New South Wales</b>         | <b>81.0</b>   | <b>81.2</b>   | <b>81.1</b>   | <b>0.1</b>                  |
| Capital Region                         | 81.7          | 81.5          | 81.3          | -0.4                        |
| Central West                           | 80.7          | 81.1          | 80.6          | -0.1                        |
| Coffs Harbour - Grafton                | 80.6          | 80.8          | 81.3          | 0.7                         |
| Far West and Orana                     | 78.5          | 78.7          | 78.9          | 0.4                         |
| Hunter Valley exc Newcastle            | 81.5          | 81.7          | 81.6          | 0.1                         |
| Illawarra                              | 81.9          | 82.0          | 81.9          | 0.0                         |
| Mid North Coast                        | 80.9          | 80.8          | 81.1          | 0.2                         |
| Murray                                 | 80.3          | 80.3          | 80.4          | 0.1                         |
| New England and North West             | 80.0          | 80.3          | 80.5          | 0.5                         |
| Newcastle and Lake Macquarie           | 81.2          | 81.3          | 81.4          | 0.2                         |
| Richmond - Tweed                       | 81.0          | 81.3          | 80.8          | -0.2                        |
| Riverina                               | 81.3          | 81.1          | 81.0          | -0.3                        |
| Southern Highlands and Shoalhaven      | 81.0          | 81.3          | 81.4          | 0.4                         |
| <b>Victoria</b>                        | <b>82.7</b>   | <b>82.9</b>   | <b>83.1</b>   | <b>0.4</b>                  |
| <b>Greater Melbourne</b>               | <b>83.5</b>   | <b>83.7</b>   | <b>84.0</b>   | <b>0.5</b>                  |
| Melbourne - Inner                      | 83.6          | 83.8          | 84.4          | 0.8                         |
| Melbourne - Inner East                 | 85.4          | 85.5          | 85.9          | 0.5                         |
| Melbourne - Inner South                | 84.0          | 84.1          | 84.6          | 0.6                         |
| Melbourne - North East                 | 83.2          | 83.6          | 83.8          | 0.6                         |
| Melbourne - North West                 | 83.4          | 83.5          | 83.3          | -0.1                        |
| Melbourne - Outer East                 | 83.5          | 83.6          | 84.1          | 0.6                         |
| Melbourne - South East                 | 83.4          | 83.6          | 83.8          | 0.4                         |
| Melbourne - West                       | 82.7          | 83.1          | 83.1          | 0.4                         |
| Mornington Peninsula                   | 82.3          | 82.1          | 82.7          | 0.4                         |
| <b>Rest of Victoria</b>                | <b>81.6</b>   | <b>81.4</b>   | <b>81.5</b>   | <b>-0.1</b>                 |
| Ballarat                               | 81.4          | 81.6          | 81.2          | -0.2                        |
| Bendigo                                | 82.0          | 82.2          | 81.6          | -0.4                        |
| Geelong                                | 82.6          | 82.2          | 82.4          | -0.2                        |
| Hume                                   | 81.5          | 81.3          | 81.9          | 0.4                         |

(continued)

*Life expectancy at birth by sub-state region (continued)*

| <b>Sub-State Region</b>          | <b>2013<br/>years</b> | <b>2015<br/>years</b> | <b>2017<br/>years</b> | <b>2013 - 2017<br/>change years</b> |
|----------------------------------|-----------------------|-----------------------|-----------------------|-------------------------------------|
| Latrobe - Gippsland              | 81.4                  | 81.0                  | 80.9                  | -0.5                                |
| North West                       | 80.8                  | 80.7                  | 81.3                  | 0.5                                 |
| Shepparton                       | 81.3                  | 80.7                  | 81.3                  | 0.0                                 |
| Warrnambool and South West       | 81.5                  | 81.1                  | 81.4                  | -0.1                                |
| <b>Queensland</b>                | <b>81.8</b>           | <b>82.1</b>           | <b>82.2</b>           | <b>0.4</b>                          |
| <b>Greater Brisbane</b>          | <b>82.2</b>           | <b>82.8</b>           | <b>82.9</b>           | <b>0.7</b>                          |
| Brisbane - East                  | 82.9                  | 83.1                  | 83.4                  | 0.5                                 |
| Brisbane - North                 | 82.6                  | 83.0                  | 82.8                  | 0.2                                 |
| Brisbane - South                 | 83.1                  | 83.5                  | 83.5                  | 0.4                                 |
| Brisbane - West                  | 84.0                  | 85.3                  | 85.3                  | 1.3                                 |
| Brisbane Inner City              | 83.3                  | 83.9                  | 83.7                  | 0.4                                 |
| Ipswich                          | 80.3                  | 81.1                  | 81.9                  | 1.6                                 |
| Logan - Beaudesert               | 81.1                  | 81.8                  | 81.9                  | 0.8                                 |
| Moreton Bay - North              | 80.8                  | 81.4                  | 81.0                  | 0.2                                 |
| Moreton Bay - South              | 83.4                  | 83.7                  | 84.2                  | 0.8                                 |
| <b>Rest of Queensland</b>        | <b>81.7</b>           | <b>82.0</b>           | <b>82.0</b>           | <b>0.3</b>                          |
| Cairns                           | 80.6                  | 81.0                  | 80.7                  | 0.1                                 |
| Darling Downs - Maranoa          | 80.9                  | 80.8                  | 81.2                  | 0.3                                 |
| Central Queensland               | 81.3                  | 81.9                  | 81.3                  | 0.0                                 |
| Gold Coast                       | 82.6                  | 82.9                  | 83.2                  | 0.6                                 |
| Mackay - Isaac - Whitsunday      | 81.6                  | 82.5                  | 82.3                  | 0.7                                 |
| Queensland - Outback             | 77.2                  | 77.5                  | 78.5                  | 1.3                                 |
| Sunshine Coast                   | 83.2                  | 83.3                  | 83.3                  | 0.1                                 |
| Toowoomba                        | 81.8                  | 82.7                  | 82.4                  | 0.6                                 |
| Townsville                       | 81.1                  | 81.1                  | 81.1                  | 0.0                                 |
| Wide Bay                         | 80.9                  | 80.9                  | 80.7                  | -0.2                                |
| <b>South Australia</b>           | <b>82.1</b>           | <b>82.3</b>           | <b>82.3</b>           | <b>0.2</b>                          |
| <b>Greater Adelaide</b>          | <b>82.4</b>           | <b>82.7</b>           | <b>82.8</b>           | <b>0.4</b>                          |
| Adelaide - Central and Hills     | 84.0                  | 84.5                  | 84.4                  | 0.4                                 |
| Adelaide - North                 | 81.0                  | 81.3                  | 81.6                  | 0.6                                 |
| Adelaide - South                 | 83.1                  | 83.1                  | 83.4                  | 0.3                                 |
| Adelaide - West                  | 81.6                  | 82.2                  | 82.1                  | 0.5                                 |
| <b>Rest of South Australia</b>   | <b>81.3</b>           | <b>81.6</b>           | <b>81.5</b>           | <b>0.2</b>                          |
| Barossa - Yorke - Mid North      | 81.3                  | 81.9                  | 81.8                  | 0.5                                 |
| South Australia - Outback        | 79.8                  | 80.3                  | 80.0                  | 0.2                                 |
| South Australia - South East     | 82.0                  | 81.9                  | 81.9                  | -0.1                                |
| <b>Western Australia</b>         | <b>82.5</b>           | <b>82.7</b>           | <b>82.5</b>           | <b>0.0</b>                          |
| <b>Greater Perth</b>             | <b>83.2</b>           | <b>83.3</b>           | <b>83.4</b>           | <b>0.2</b>                          |
| Mandurah                         | 81.9                  | 82.1                  | 81.4                  | -0.5                                |
| Perth - Inner                    | 84.2                  | 84.0                  | 84.1                  | -0.1                                |
| Perth - North East               | 82.5                  | 82.7                  | 82.8                  | 0.3                                 |
| Perth - North West               | 84.0                  | 84.3                  | 84.3                  | 0.3                                 |
| Perth - South East               | 82.5                  | 82.9                  | 83.1                  | 0.6                                 |
| Perth - South West               | 83.1                  | 83.1                  | 83.1                  | 0.0                                 |
| <b>Rest of Western Australia</b> | <b>81.4</b>           | <b>81.6</b>           | <b>81.2</b>           | <b>-0.2</b>                         |
| Bunbury                          | 82.7                  | 82.6                  | 82.2                  | -0.5                                |
| Western Australia - Wheat Belt   | 81.4                  | 82.1                  | 81.5                  | 0.1                                 |

(continued)

*Life expectancy at birth by sub-state region (continued)*

| <b>Sub-State Region</b>             | <b>2013<br/>years</b> | <b>2015<br/>years</b> | <b>2017<br/>years</b> | <b>2013 - 2017<br/>change years</b> |
|-------------------------------------|-----------------------|-----------------------|-----------------------|-------------------------------------|
| Western Australia - Outback (North) | 78.6                  | 78.9                  | 78.5                  | -0.1                                |
| Western Australia - Outback (South) | 80.2                  | 80.5                  | 80.2                  | 0.0                                 |
| <b>Tasmania</b>                     | <b>80.6</b>           | <b>80.8</b>           | <b>80.8</b>           | <b>0.2</b>                          |
| <b>Greater Hobart</b>               | <b>80.8</b>           | <b>81.1</b>           | <b>81.3</b>           | <b>0.5</b>                          |
| <b>Rest of Tasmania</b>             | <b>80.3</b>           | <b>80.4</b>           | <b>80.4</b>           | <b>0.1</b>                          |
| Launceston and North East           | 80.8                  | 81.1                  | 80.7                  | -0.1                                |
| South East                          | 79.6                  | 80.4                  | 81.4                  | 1.8                                 |
| West and North West                 | 80.0                  | 79.7                  | 79.4                  | -0.6                                |
| <b>Northern Territory</b>           | <b>77.0</b>           | <b>77.0</b>           | <b>77.6</b>           | <b>0.6</b>                          |
| <b>Greater Darwin</b>               | <b>80.9</b>           | <b>80.4</b>           | <b>81.9</b>           | <b>1.0</b>                          |
| <b>Rest of Northern Territory</b>   | <b>73.5</b>           | <b>73.8</b>           | <b>74.2</b>           | <b>0.7</b>                          |
| Northern Territory - Outback        | 73.5                  | 73.8                  | 74.2                  | 0.7                                 |
| <b>Australian Capital Territory</b> | <b>83.3</b>           | <b>83.2</b>           | <b>83.1</b>           | <b>-0.2</b>                         |
| <b>Australian Capital Cities</b>    | <b>83.0</b>           | <b>83.2</b>           | <b>83.5</b>           | <b>0.5</b>                          |
| <b>Australian Rest of States</b>    | <b>81.3</b>           | <b>81.4</b>           | <b>81.4</b>           | <b>0.1</b>                          |
| <b>AUSTRALIA</b>                    | <b>82.1</b>           | <b>82.4</b>           | <b>82.5</b>           | <b>0.4</b>                          |

Source: ABS 2019, Customised report, Life Tables, States, Territories and Australia, 2015-2017 (cat. no. 3302.0.55.001)

Population estimates are final up to 2016, and preliminary from 2017 onwards.

Geography is based on the 2016 ASGS.

Life expectancy has been calculated using data for the three years ending in the reference year.

## P 1.1.2 Psychological distress

Health is multidimensional, relating not just to someone's physical condition but also to their mental, emotional and social wellbeing. Mental health is a fundamental aspect of general health. Levels of psychological distress measure a person's current emotional state. This is an indicator of general mental health, given that there is an association between high psychological distress and mental health conditions.<sup>10</sup>

- At a national level, the proportion of adults experiencing high or very high levels of psychological distress increased by 2.2 percentage points between 2011-12 and 2017-18.

### *Psychological distress across remoteness classes*

- Similar to the national trend, rates of psychological distress increased in three out of the four reported remoteness classes, with the largest increase being in outer regional Australia (up 4.7 percentage points).
- Remote Australia was the only remoteness class to report a decrease, with a decrease of 3.3 percentage points.

Table P 1.1.2.a Adults with high or very high levels of psychological distress by remoteness class

|                  | 2011-12** | 2014-15** | 2017-18  | 2011-12 - 2017-18        |
|------------------|-----------|-----------|----------|--------------------------|
| Remoteness Class | per cent  | per cent  | per cent | change percentage points |
| Major Cities     | 10.6      | 11.7      | 12.7     | 2.1                      |
| Inner Regional   | 11.4      | 12.5      | 13.4     | 2.0                      |
| Outer Regional   | 10.4      | 10.5      | 15.1     | 4.7                      |
| Remote           | 11.9      | 9.8       | 8.6      | -3.3                     |
| AUSTRALIA        | 10.8      | 11.7      | 13.0     | 2.2                      |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

Proportion of adults (18 years and over) with a score of 22 or more on the Kessler Psychological Distress Scale (K10).

\*\* Remoteness Area classification and Australian totals for 2011-12 and 2014-15 are based on the 2011 ASGS. Remoteness Area classification and Australian totals for 2017-18 are based on the 2016 ASGS.

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

### *Psychological distress across capital cities and balance of state*

- In 2017-18, of the capital cities Greater Brisbane recorded the highest rate of psychological distress (14.3 per cent), while Greater Darwin recorded the lowest (10.9 per cent).
- In 2017-18, of the regions outside of the capital cities, the rest of South Australia experienced the highest rate of psychological distress (16.2 per cent). The rest of Western Australia had the lowest rate (10.2 per cent).
- All capital cities across Australia recorded an increase in the percentage of adults with high or very high levels of psychological distress. The largest increase was in Greater Hobart up 5.4 percentage points between 2011-12 and 2017-18. Greater Perth recorded the lowest increase in the same period (1.6 percentage points).
- All rest of state areas recorded an increase in the measure of psychological distress between 2011-12 and 2017-18. The rest of Tasmania reported the largest increase (3.8 percentage points), while the rest of Victoria reported the lowest increase (0.3 percentage points).

<sup>10</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.



Table P 1.1.2.b Adults with high or very high levels of psychological distress by capital city/balance of state

| Capital City / Balance of State     | 2011-12<br>per cent | 2014-15<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|-------------------------------------|---------------------|---------------------|---------------------|--|
| <b>New South Wales</b>              | <b>10.5</b>         | <b>11.0</b>         | <b>12.8</b>         | <b>2.3</b>   |
| Greater Sydney                      | 10.1                | 10.5                | 12.2                | 2.1  |
| Rest of New South Wales             | 11.1                | 11.8                | 13.7                | 2.6  |
| <b>Victoria</b>                     | <b>11.4</b>         | <b>12.5</b>         | <b>12.8</b>         | <b>1.4</b>   |
| Greater Melbourne                   | 10.6                | 11.8                | 12.4                | 1.8  |
| Rest of Victoria                    | 14.0                | 15.1                | 14.3                | 0.3  |
| <b>Queensland</b>                   | <b>10.7</b>         | <b>11.9</b>         | <b>13.9</b>         | <b>3.2</b>   |
| Greater Brisbane                    | 11.4                | 14.1                | 14.3                | 2.9  |
| Rest of Queensland                  | 10.1                | 10.0                | 13.4                | 3.3  |
| <b>South Australia</b>              | <b>11.3</b>         | <b>13.7</b>         | <b>13.5</b>         | <b>2.2</b>   |
| Greater Adelaide                    | 10.3                | 13.5                | 12.6                | 2.3  |
| Rest of South Australia             | 15.1                | 14.9                | 16.2                | 1.1  |
| <b>Western Australia</b>            | <b>10.6</b>         | <b>9.9</b>          | <b>12.2</b>         | <b>1.6</b>   |
| Greater Perth                       | 10.8                | 10.3                | 12.4                | 1.6  |
| Rest of Western Australia           | 9.6                 | *8.4                | 10.2                | 0.6  |
| <b>Tasmania</b>                     | <b>8.9</b>          | <b>13.5</b>         | <b>13.4</b>         | <b>4.5</b>   |
| Greater Hobart                      | 8.8                 | 14.2                | 14.2                | 5.4  |
| Rest of Tasmania                    | 9.1                 | 13.1                | 12.9                | 3.8  |
| <b>Northern Territory</b>           | <b>9.0</b>          | <b>7.8</b>          | <b>11.3</b>         | <b>2.3</b>   |
| Greater Darwin                      | 9.2                 | 6.8                 | 10.9                | 1.7  |
| Rest of Northern Territory          | *8.4                | 9.1                 | 11.0                | 2.6  |
| <b>Australian Capital Territory</b> | <b>9.2</b>          | <b>10.8</b>         | <b>11.1</b>         | <b>1.9</b>   |
| <b>Australian Capital Cities</b>    | <b>10.5</b>         | <b>11.7</b>         | <b>12.6</b>         | <b>2.1</b>   |
| <b>Australian Rest of States</b>    | <b>11.3</b>         | <b>11.8</b>         | <b>13.6</b>         | <b>2.3</b>   |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

Geography is based on the 2016 ASGS.

Australian capital cities and Australian rest of states are calculated using weighted Greater Capital City Statistical Area proportions.

Proportion of adults (18 years and over) with a score of 22 or more on the Kessler Psychological Distress Scale (K10).

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

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

### P 1.1.3 Suicide rate

Suicide is a leading cause of premature mortality in Australia. There are several causes of suicide such as depression, social isolation or a personal stressor (unemployment or relationship breakdown). Suicide is classed as an external cause of death, which in this case is from instances of intentional harm. To understand how the number of deaths due to suicide has changed in Australia over time, age standardised death rates are used, as they enable the comparison of death rates between populations with different age structures.<sup>11</sup>

- In 2017, 12.6 deaths per 100,000 persons were due to suicide. Between 2013 and 2017, the suicide rate in Australia grew by 1.5 suicide deaths per 100,000 persons.

#### *Suicide rate across capital cities and balance of state*

- Suicide rates varied between capital and rest of state regions. In 2017, the combined Australian rest of states recorded 16.6 suicide deaths per 100,000 persons compared to 10.7 suicide deaths per 100,000 persons in combined Australian capital cities.
- In 2017, the highest incidence of suicides in Australia for capital and rest of state areas occurred in the rest of Northern Territory (29.0 suicide deaths per 100,000 persons), rest of Queensland (18.4 suicide deaths per 100,000 persons) and rest of South Australia (18.3 suicide deaths per 100,000 persons). The lowest incidence was recorded in Greater Sydney (8.3 deaths per 100,000 persons).
- Between 2013 and 2017, the rate of suicides grew by 3.4 suicide deaths per 100,000 persons in regions outside capital cities and 0.7 suicide deaths per 100,000 persons for capital cities.
- Between 2013 and 2017, of the states and territories, the Northern Territory recorded the highest growth in the rate of suicides, with an increase of 6.1 suicide deaths per 100,000 persons. It also had the largest absolute rate (20.3 deaths per 100,000 persons).
- Between 2013 and 2017, suicide rates increased across the majority of capital cities and rest of state regions, with the highest growth occurring in the rest of South Australia (5.8 suicide deaths per 100,000 persons) and the Australian Capital Territory (4.5 suicide deaths per 100,000 persons).
- Between 2013 and 2017, Greater Adelaide and Greater Brisbane recorded the only declines in the suicide rate, with both recording a decline of 0.2 deaths per 100,000 persons.

<sup>11</sup> ABS 2019, *Causes of Death, Australia, 2018* (cat. no. 3303.0), Canberra.

Table P 1.1.3.a Suicide rate by capital city/balance of state

| <i>Capital City / Balance of State</i> | <i>2013<br/>rate per 100,000<br/>population</i> | <i>2015<br/>rate per 100,000<br/>population</i> | <i>2017<br/>rate per 100,000<br/>population</i> | <i>2013 - 2017<br/>change in rate</i> |
|--|---|---|---|---------------------------------------|
| <b>New South Wales</b>                 | <b>9.5</b>                                      | <b>10.8</b>                                     | <b>10.9</b>                                     | <b>1.4</b>                            |
| Greater Sydney                         | 8.2   | 8.6   | 8.3   | 0.1                                   |
| Rest of New South Wales                | 12.2  | 15.2  | 16.1  | 3.9                                   |
| <b>Victoria</b>                        | <b>8.9</b>                                      | <b>10.9</b>                                     | <b>9.6</b>                                      | <b>0.7</b>                            |
| Greater Melbourne                      | 8.2   | 10.0  | 8.7   | 0.5                                   |
| Rest of Victoria                       | 11.2  | 13.9  | 13  | 1.8                                   |
| <b>Queensland</b>                      | <b>14.6</b>                                     | <b>15.9</b>                                     | <b>16.3</b>                                     | <b>1.7</b>                            |
| Greater Brisbane                       | 14.2  | 13.1  | 14.0  | -0.2                                  |
| Rest of Queensland                     | 14.7  | 18.3  | 18.4  | 3.7                                   |
| <b>South Australia</b>                 | <b>11.9</b>                                     | <b>13.2</b>                                     | <b>12.8</b>                                     | <b>0.9</b>                            |
| Greater Adelaide                       | 11.7  | 13.3  | 11.5  | -0.2                                  |
| Rest of South Australia                | 12.5  | 13.1  | 18.3  | 5.8                                   |
| <b>Western Australia</b>               | <b>13.5</b>                                     | <b>15.6</b>                                     | <b>15.8</b>                                     | <b>2.3</b>                            |
| Greater Perth                          | 12.4  | 14.3  | 15.1  | 2.7                                   |
| Rest of Western Australia              | 16.8  | 20.2  | 17.8  | 1.0                                   |
| <b>Tasmania</b>                        | <b>14.2</b>                                     | <b>16.0</b>                                     | <b>15.6</b>                                     | <b>1.4</b>                            |
| Greater Hobart                         | 14.4  | 12.0  | 16.9  | 2.5                                   |
| Rest of Tasmania                       | 13.5  | 19.1  | 14.4  | 0.9                                   |
| <b>Northern Territory</b>              | <b>14.2</b>                                     | <b>20.6</b>                                     | <b>20.3</b>                                     | <b>6.1</b>                            |
| Greater Darwin                         | n.p.  | 19.1  | 14.2  | n.a.                                  |
| Rest of Northern Territory             | n.p.  | 18.7  | 29.0  | n.a.                                  |
| <b>Australian Capital Territory</b>    | <b>9.6</b>                                      | <b>11.4</b>                                     | <b>14.1</b>                                     | <b>4.5</b>                            |
| <b>Australian Capital Cities</b>       | <b>10.0</b>                                     | <b>11.0</b>                                     | <b>10.7</b>                                     | <b>0.7</b>                            |
| <b>Australian Rest of States</b>       | <b>13.2</b>                                     | <b>16.4</b>                                     | <b>16.6</b>                                     | <b>3.4</b>                            |
| <b>AUSTRALIA</b>                       | <b>11.1</b>                                     | <b>12.7</b>                                     | <b>12.6</b>                                     | <b>1.5</b>                            |

Source: ABS 2018, Causes of Death, Australia, 2017 (cat. no. 3303.0)

Geography is based on the 2016 ASGS.

Estimates are final for 2013 and 2015, and preliminary for 2017.

Age-standardised death rates (SDRs) enable the comparison of death rates between populations with different age structures. The SDRs in this table are presented on a per 100,000 population basis, using the estimated mid-year population (30 June). Some rates are unreliable due to small numbers of deaths over the reference period. This can result in greater volatility of rates. As such, age-standardised death rates based on a death count of fewer than 20 have not been published, and appear as 'n.p.'. See Explanatory Notes 44-47 and the Glossary in Causes of Death, Australia, 2017 (cat. no. 3303.0) for further information.

n.p. Not available for publication but included in totals where applicable, unless otherwise indicated.

n.a. Not available.

## P 1.1.4 Overweight or obese

Obesity is a significant risk factor in a range of often preventable health conditions. As such, the proportion of adults who are overweight or obese is a good indicator of overall health, as well as pointing towards the prevalence of healthy lifestyles within the community.

Good health reduces the burdens of illness, with an associated reduction in the financial and social costs of ill health. Healthy lifestyles, therefore, improve the wellbeing of both individuals and the community.<sup>12</sup>

- The proportion of adults in Australia who are overweight or obese increased by 4.2 percentage points between 2011-12 and 2017-18.

### Adults overweight or obese across remoteness classes

- The proportion of adults who are overweight or obese increased across all reported remoteness classes between 2011-12 and 2017-18.
- The largest increase was in major cities (rising by 4.8 percentage points) while the lowest increase was in remote Australia (rising by 0.9 percentage points).

Table P 1.1.4.a Adults who are overweight or obese by remoteness class

| Remoteness Class | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|------------------|-----------------------|-----------------------|---------------------|--|
| Major Cities     | 60.2                  | 61.1                  | 65.0                | 4.8  |
| Inner Regional   | 69.1                  | 69.2                  | 72.4                | 3.3  |
| Outer Regional   | 69.3                  | 69.4                  | 72.0                | 2.7  |
| Remote           | 69.5                  | 66.9                  | 70.4                | 0.9  |
| AUSTRALIA        | 62.8                  | 63.4                  | 67.0                | 4.2  |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

\*\* Remoteness Area classification and Australian totals for 2011-12 and 2014-15 are based on the 2011 ASGS. Remoteness Area classification and Australian totals for 2017-18 are based on the 2016 ASGS.

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

Proportion of adults (18 years and over) with a Body Mass Index (BMI) of 25.00 or more. BMI is derived from a person's height and weight.

### Adults overweight or obese across major urban areas

- Of the major urban areas, the largest increase in the proportion of adults who are overweight or obese between 2011-12 and 2017-18 was observed in Albury - Wodonga, with a 20.1 percentage point increase. Wollongong and Greater Melbourne also had relatively high increases, recording increases of 11.9 and 8.0 percentage points respectively.
- Two of the 20 major urban areas experienced decreases in the proportion of adults who are overweight or obese between 2011-12 and 2017-18. These were Ballarat with a decrease of 2.2 percentage points and Gold Coast - Tweed Heads with a decrease of 1.0 percentage point.

<sup>12</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

Table P 1.1.4.b Adults who are overweight or obese by major urban area

| Major Urban Area         | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|--------------------------|-----------------------|-----------------------|---------------------|--|
| Greater Sydney           | 57.8                  | 59.8                  | 62.3                | 4.5  |
| Greater Melbourne        | 58.4                  | 61.8                  | 66.4                | 8.0  |
| Greater Brisbane         | 62.5                  | 62.9                  | 66.8                | 4.3  |
| Greater Perth            | 63.6                  | 58.8                  | 65.6                | 2.0  |
| Greater Adelaide         | 65.2                  | 63.6                  | 68.3                | 3.1  |
| Gold Coast - Tweed Heads | 60.7                  | 64.1                  | 59.7                | -1.0   |
| Newcastle - Maitland     | 70.5                  | 71.7                  | 71.4                | 0.9  |
| Canberra - Queanbeyan    | 62.5                  | 63.0                  | 63.5                | 1.0  |
| Sunshine Coast           | 60.4                  | 59.1                  | 62.8                | 2.4  |
| Wollongong               | 62.7                  | 68.1                  | 74.6                | 11.9   |
| Geelong#                 | 63.3                  | 55.7                  | 79.6                | n.a.   |
| Greater Hobart           | 62.5                  | 59.5                  | 66.7                | 4.2  |
| Townsville               | 71.1                  | 63.6                  | 71.6                | 0.5  |
| Cairns                   | 59.8                  | 48.3                  | 62.3                | 2.5  |
| Greater Darwin           | 61.5                  | 64.3                  | 63.6                | 2.1  |
| Toowoomba#               | 67.5                  | 60.5                  | 68.2                | n.a.   |
| Ballarat                 | 75.3                  | *62.4                 | 73.1                | -2.2   |
| Bendigo                  | 64.5                  | 58.5                  | 68.0                | 3.5  |
| Albury - Wodonga         | 55.0                  | *71.5                 | 75.1                | 20.1   |
| Launceston               | 63.1                  | 71.8                  | 69.8                | 6.7  |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

Proportion of adults (18 years and over) with a Body Mass Index (BMI) of 25.00 or more. BMI is derived from a person's height and weight.

\*\* The major urban areas (MUA) of Sydney, Melbourne, Brisbane, Adelaide, Perth, Hobart and Darwin are based on the 2011 ASGS Greater Capital City Statistical Area (GCCSA) classification for 2011-12 and 2014-15 figures and the 2016 ASGS GCCSA classification for 2017-18 figures. All other MUAs for 2011-12 and 2014-15 are based on the 2011 ASGS Significant Urban Areas (SUA) and the proportions for 2017-18 are based on the 2016 ASGS SUA classification.

# The boundaries for Geelong and Toowoomba SUAs changed significantly between 2011 and 2016. As such no change value is provided.

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

n.a. Not available.

### Adults overweight or obese across sub-state regions

- The proportion of adults who are overweight or obese increased in the majority of sub-state regions across Australia between 2011-12 and 2017-18.
- The sub-state regions of Coffs Harbour - Grafton, Riverina, Barossa - Yorke - Mid North, Murray, Richmond - Tweed, Warrnambool and South West, Moreton Bay - South and Melbourne - South East all recorded increases greater than 15.0 percentage points.
- The largest decreases in the proportion of adults who are overweight or obese were in Sydney - Baulkham Hills and Hawkesbury (13.7 percentage points) and Mackay - Isaac - Whitsunday (12.0 percentage points).

Table P 1.1.4.c Adults who are overweight or obese by sub-state region

| Sub-State Region                       | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|--|-----------------------|-----------------------|---------------------|--|
| <b>New South Wales</b>                 | <b>61.1</b>           | <b>63.2</b>           | <b>65.9</b>         | <b>4.8</b>   |
| <b>Greater Sydney</b>                  | <b>57.8</b>           | <b>59.8</b>           | <b>62.3</b>         | <b>2.5</b>   |
| Central Coast                          | 66.4                  | 63.8                  | 69.8                | 3.4  |
| Sydney - Baulkham Hills and Hawkesbury | 75.5                  | 64.2                  | 61.8                | -13.7  |
| Sydney - Blacktown                     | 65.3                  | 75.6                  | 69.3                | 4.0  |
| Sydney - City and Inner South          | 49.9                  | 45.0                  | 45.0                | -4.9   |
| Sydney - Eastern Suburbs               | 49.6                  | 59.1                  | 58.4                | 8.8  |
| Sydney - Inner South West              | 62.0                  | 63.3                  | 64.0                | 2.0  |
| Sydney - Inner West                    | 54.4                  | 56.0                  | 53.8                | -0.6   |
| Sydney - North Sydney and Hornsby      | 55.1                  | 57.4                  | 61.1                | 6.0  |
| Sydney - Northern Beaches              | 52.7                  | 49.2                  | 63.8                | 11.1   |
| Sydney - Outer South West              | 62.6                  | 60.2                  | 67.0                | 4.4  |
| Sydney - Outer West and Blue Mountains | 64.7                  | 67.2                  | 69.0                | 4.3  |
| Sydney - Parramatta                    | 49.8                  | 61.7                  | 61.2                | 11.4   |
| Sydney - Ryde                          | 50.9                  | 47.0                  | 49.7                | -1.2   |
| Sydney - South West                    | 57.0                  | 62.9                  | 65.3                | 8.3  |
| Sydney - Sutherland                    | 58.7                  | 52.8                  | 61.7                | 3.0  |
| <b>Rest of New South Wales</b>         | <b>67.1</b>           | <b>69.8</b>           | <b>72.9</b>         | <b>5.8</b>   |
| Capital Region                         | 68.0                  | 65.0                  | 67.2                | -0.8   |
| Central West                           | 80.3                  | 66.8                  | 75.8                | -4.5   |
| Coffs Harbour - Grafton                | 59.0                  | 57.4                  | 82.2                | 23.2   |
| Far West and Orana                     | n.p.                  | 73.2                  | *61.1               | n.a.   |
| Hunter Valley exc Newcastle            | 74.1                  | 67.0                  | 71.9                | -2.2   |
| Illawarra                              | 59.5                  | 68.1                  | 68.8                | 9.3  |
| Mid North Coast                        | 68.2                  | 69.0                  | 76.4                | 8.2  |
| Murray                                 | 70.5                  | 80.4                  | 89.4                | 18.9   |
| New England and North West             | 64.8                  | 67.8                  | 69.6                | 4.8  |
| Newcastle and Lake Macquarie           | 66.6                  | 72.6                  | 66.4                | -0.2   |
| Richmond - Tweed                       | 56.9                  | 63.9                  | 74.1                | 17.2   |
| Riverina                               | 67.1                  | 84.8                  | 87.7                | 20.6   |
| Southern Highlands and Shoalhaven      | 75.9                  | 88.7                  | 80.6                | 4.7  |
| <b>Victoria</b>                        | <b>61.0</b>           | <b>63.3</b>           | <b>68.3</b>         | <b>7.3</b>   |
| <b>Greater Melbourne</b>               | <b>58.4</b>           | <b>61.8</b>           | <b>66.4</b>         | <b>8.0</b>   |
| Melbourne - Inner                      | 45.6                  | 47.3                  | 55.6                | 10.0   |
| Melbourne - Inner East                 | 55.8                  | 64.1                  | 55.9                | 0.1  |
| Melbourne - Inner South                | 54.7                  | 51.5                  | 60.9                | 6.2  |
| Melbourne - North East                 | 63.4                  | 63.8                  | 68.1                | 4.7  |
| Melbourne - North West                 | 64.5                  | 62.2                  | 67.0                | 2.5  |
| Melbourne - Outer East                 | 57.1                  | 68.0                  | 65.9                | 8.8  |
| Melbourne - South East                 | 57.8                  | 64.4                  | 73.7                | 15.9   |
| Melbourne - West                       | 65.6                  | 68.6                  | 72.1                | 6.5  |
| Mornington Peninsula                   | 66.8                  | 71.9                  | 77.4                | 10.6   |
| <b>Rest of Victoria</b>                | <b>68.9</b>           | <b>68.5</b>           | <b>74.7</b>         | <b>5.8</b>   |
| Ballarat                               | 70.7                  | 70.4                  | 73.1                | 2.4  |
| Bendigo                                | 67.4                  | 63.2                  | 68.0                | 0.6  |

(continued)



## Adults who are overweight or obese by sub-state region (continued)

| <i>Sub-State Region</i>                       | <i>2011-12**</i><br><i>per cent</i> | <i>2014-15**</i><br><i>per cent</i> | <i>2017-18</i><br><i>per cent</i> | <i>2011-12 -</i><br><i>2017-18</i><br><i>change</i><br><i>percentage</i><br><i>points</i> |
|---|-------------------------------------|-------------------------------------|-----------------------------------|---|
| Geelong                                       | 68.7                                | 65.0                                | 79.6                              | 10.9  |
| Hume  | 66.9                                | 63.5                                | 74.5                              | 7.6   |
| Latrobe - Gippsland                           | 75.2                                | 68.7                                | 73.4                              | -1.8  |
| North West                                    | 57.9                                | 74.4                                | 66.9                              | 9.0   |
| Shepparton                                    | 72.8                                | 69.8                                | *76.7                             | n.a.  |
| Warrnambool and South West                    | 65.2                                | 78.9                                | 82.3                              | 17.1  |
| <b>Queensland</b>                             | <b>64.7</b>                         | <b>63.6</b>                         | <b>65.9</b>                       | <b>1.2</b>  |
| <b>Greater Brisbane</b>                       | <b>62.5</b>                         | <b>62.9</b>                         | <b>66.8</b>                       | <b>4.3</b>  |
| Brisbane - East                               | 65.3                                | 60.5                                | 63.7                              | -1.6  |
| Brisbane - North                              | 60.3                                | 58.2                                | 72.8                              | 12.5  |
| Brisbane - South                              | 58.7                                | 55.7                                | 57.6                              | -1.1  |
| Brisbane - West                               | 57.0                                | 56.9                                | 60.1                              | 3.1   |
| Brisbane Inner City                           | 57.7                                | 52.4                                | 58.1                              | 0.4   |
| Ipswich                                       | 73.3                                | 78.3                                | 72.0                              | -1.3  |
| Logan - Beaudesert                            | 65.8                                | 69.8                                | 71.7                              | 5.9   |
| Moreton Bay - North                           | 65.3                                | 66.4                                | 71.3                              | 6.0   |
| Moreton Bay - South                           | 58.1                                | 65.4                                | 75.1                              | 17.0  |
| <b>Rest of Queensland</b>                     | <b>67.2</b>                         | <b>64.3</b>                         | <b>64.9</b>                       | <b>-2.3</b>   |
| Cairns  | 62.8                                | 51.1                                | 62.3                              | -0.5  |
| Darling Downs - Maranoa                       | 77.3                                | 59.0                                | 76.2                              | -1.1  |
| Central Queensland (formerly Fitzroy)         | 69.1                                | 73.1                                | 67.3                              | -1.8  |
| Gold Coast                                    | 63.7                                | 61.6                                | 59.5                              | -4.2  |
| Mackay - Isaac - Whitsunday (formerly Mackay) | 76.8                                | 83.4                                | 64.8                              | -12.0   |
| Queensland - Outback                          | n.p.                                | n.p.                                | 70.4                              | n.a.  |
| Sunshine Coast                                | 59.7                                | 60.3                                | 62.8                              | 3.1   |
| Toowoomba                                     | 69.9                                | 63.3                                | 68.2                              | -1.7  |
| Townsville                                    | 74.2                                | 64.6                                | 71.6                              | -2.6  |
| Wide Bay                                      | 65.5                                | 70.1                                | 67.9                              | 2.4   |
| <b>South Australia</b>                        | <b>65.7</b>                         | <b>65.8</b>                         | <b>69.7</b>                       | <b>4.0</b>  |
| <b>Greater Adelaide</b>                       | <b>65.2</b>                         | <b>63.6</b>                         | <b>68.3</b>                       | <b>3.1</b>  |
| Adelaide - Central and Hills                  | 60.7                                | 59.5                                | 64.2                              | 3.5   |
| Adelaide - North                              | 69.0                                | 66.7                                | 71.5                              | 2.5   |
| Adelaide - South                              | 64.9                                | 61.4                                | 69.9                              | 5.0   |
| Adelaide - West                               | 64.9                                | 66.4                                | 65.5                              | 0.6   |
| <b>Rest of South Australia</b>                | <b>71.4</b>                         | <b>73.7</b>                         | <b>76.1</b>                       | <b>4.7</b>  |
| Barossa - Yorke - Mid North                   | 63.6                                | 71.2                                | 83.3                              | 19.7  |
| South Australia - Outback                     | n.p.                                | 74.7                                | 73.1                              | n.a.  |
| South Australia - South East                  | 74.7                                | 74.9                                | 76.1                              | 1.4   |
| <b>Western Australia</b>                      | <b>65.6</b>                         | <b>60.3</b>                         | <b>66.7</b>                       | <b>1.1</b>  |
| <b>Greater Perth</b>                          | <b>63.6</b>                         | <b>58.8</b>                         | <b>65.6</b>                       | <b>2.0</b>  |
| Mandurah                                      | 74.5                                | 61.5                                | 85.7                              | 11.2  |
| Perth - Inner                                 | 50.9                                | 42.0                                | 57.7                              | 6.8   |
| Perth - North East                            | 67.6                                | 61.4                                | 65.0                              | -2.6  |
| Perth - North West                            | 62.3                                | 59.4                                | 63.5                              | 1.2   |
| Perth - South East                            | 65.3                                | 60.1                                | 67.0                              | 1.7   |

(continued)

*Adults who are overweight or obese by sub-state region (continued)*

| <i>Sub-State Region</i>             | <i>2011-12**</i><br><i>per cent</i> | <i>2014-15**</i><br><i>per cent</i> | <i>2017-18</i><br><i>per cent</i> | <i>2011-12 -</i><br><i>2017-18</i><br><i>change</i><br><i>percentage</i><br><i>points</i> |
|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------|---|
| Perth - South West                  | 64.5                                | 63.8                                | 62.7                              | -1.8  |
| <b>Rest of Western Australia</b>    | <b>71.7</b>                         | <b>67.5</b>                         | <b>72.5</b>                       | <b>0.8</b>  |
| Bunbury                             | 72.2                                | 66.0                                | 70.1                              | -2.1  |
| Western Australia - Wheat Belt      | 71.2                                | 69.1                                | 73.4                              | 2.2   |
| Western Australia - Outback#        | n.p.                                | 68.0                                | 69.8                              | n.a.  |
| <b>Tasmania</b>                     | <b>63.3</b>                         | <b>67.5</b>                         | <b>70.9</b>                       | <b>7.6</b>  |
| <b>Greater Hobart</b>               | <b>62.5</b>                         | <b>59.5</b>                         | <b>66.7</b>                       | <b>4.2</b>  |
| <b>Rest of Tasmania</b>             | <b>66.4</b>                         | <b>74.0</b>                         | <b>72.9</b>                       | <b>6.5</b>  |
| Launceston and North East           | 64.4                                | 73.4                                | 69.1                              | 4.7   |
| South East                          | 73.9                                | 77.2                                | 78.9                              | 5.0   |
| West and North West                 | 66.7                                | 74.0                                | 75.9                              | 9.2   |
| <b>Northern Territory</b>           | <b>62.9</b>                         | <b>64.3</b>                         | <b>65.2</b>                       | <b>2.3</b>  |
| <b>Greater Darwin</b>               | <b>61.5</b>                         | <b>64.3</b>                         | <b>63.6</b>                       | <b>2.1</b>  |
| <b>Rest of Northern Territory</b>   | <b>n.p.</b>                         | <b>65.6</b>                         | <b>68.7</b>                       | <b>n.a.</b>   |
| Northern Territory - Outback        | n.p.                                | 65.6                                | 68.7                              | n.a.  |
| <b>Australian Capital Territory</b> | <b>63.0</b>                         | <b>63.5</b>                         | <b>64.0</b>                       | <b>1.0</b>  |
| <b>Australian Capital Cities</b>    | <b>60.2</b>                         | <b>61.1</b>                         | <b>65.1</b>                       | <b>4.9</b>  |
| <b>Australian Rest of States</b>    | <b>67.9</b>                         | <b>68.0</b>                         | <b>70.9</b>                       | <b>3.0</b>  |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

Proportion of adults (18 years and over) with a Body Mass Index (BMI) of 25.00 or more. BMI is derived from a person's height and weight.

\*\* Geographies for 2011-12 and 2014-15 are based on the 2011 ASGS classification. Geographies for 2017-18 are based on 2016 ASGS classification.

# The Western Australia - Outback Statistical Area Level 4 (SA4) is based on the 2011 ASGS classification for 2011-12, 2014-15 and 2017-18.

Australian capital cities and Australian rest of states are calculated using weighted Greater Capital City Statistical Area proportions.

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

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

n.p. Not available for publication but included in totals where applicable, unless otherwise indicated.

n.a. Not available.

## P 1.1.5 Physical activity

Physical activity is an important contributor to maintaining good overall health. A low level of physical activity is identified as a risk factor for a range of health conditions, including cardiovascular disease, diabetes and cancer.<sup>13</sup> The dangers of high levels of sedentary behaviour to overall health have also been recognised in relation to chronic disease and obesity.

- Across Australia, there was a 2.1 percentage point increase between 2011-12 and 2017-18 in the proportion of adults who met physical activity guidelines by spending at least 150 minutes exercising a week.

### Physical activity across remoteness classes

- The proportion of adults who met physical activity guidelines increased in inner regional areas (2.9 percentage points) and major cities (2.2 percentage points).
- The largest decrease was reported in remote Australia with a decrease of 4.6 percentage points.

Table P 1.1.5.a Adults who met physical activity guidelines by remoteness class

|                  | 2011-12** | 2014-15** | 2017-18  | 2011-12 -<br>2017-18           |
|------------------|-----------|-----------|----------|--------------------------------|
| Remoteness Class | per cent  | per cent  | per cent | change<br>percentage<br>points |
| Major Cities     | 52.9      | 55.4      | 55.1     | 2.2                            |
| Inner Regional   | 45.8      | 47.6      | 48.7     | 2.9                            |
| Outer Regional   | 45.6      | 43.5      | 45.1     | -0.5                           |
| Remote           | 40.1      | 45.0      | 35.5     | -4.6                           |
| AUSTRALIA        | 50.8      | 52.8      | 52.9     | 2.1                            |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

\*\* Remoteness Area classification and Australian totals for 2011-12 and 2014-15 are based on the 2011 ASGS. Remoteness Area classification and Australian totals for 2017-18 are based on the 2016 ASGS.

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, except the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

Persons 18 years and over who have participated in at least 150 minutes of "exercise only" in the last week.

"Exercise only" consists of the following domains: walking for transport, walking for fitness, sport or recreation, moderate exercise and/or vigorous exercise. For the purpose of this measure, minutes spent on vigorous activity is multiplied by a factor of two in 2017-18.

### Physical activity across major urban areas

- Rates of physical activity increased between 2011-12 and 2017-18 in 19 of the 20 major urban areas of Australia, with the largest increase in Wollongong (up 23.3 percentage points).
- The only decrease in the proportion of adults meeting physical activity guidelines was in Bendigo (down 15.9 percentage points).

<sup>13</sup> World Health Organization (WHO) n.d., *Physical Activity*, Fact sheet, accessed on 11 October 2019 from <<https://www.who.int/dietphysicalactivity/pa/en/>>.

Table P 1.1.5.b Adults who met physical activity guidelines by major urban area

| Major Urban Area         | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|--------------------------|-----------------------|-----------------------|---------------------|--|
| Greater Sydney           | 56.1                  | 55.8                  | 56.2                | 0.1  |
| Greater Melbourne        | 52.8                  | 57.2                  | 53.9                | 1.1  |
| Greater Brisbane         | 49.4                  | 50.8                  | 49.6                | 0.2  |
| Greater Perth            | 52.3                  | 57.2                  | 59.4                | 7.1  |
| Greater Adelaide         | 51.1                  | 53.8                  | 52.2                | 1.1  |
| Gold Coast - Tweed Heads | 56.7                  | 57.3                  | 57.5                | 0.8  |
| Newcastle - Maitland     | 45.3                  | 48.6                  | 56.5                | 11.2   |
| Canberra - Queanbeyan    | 55.9                  | 58.1                  | 60.6                | 4.7  |
| Sunshine Coast           | 51.0                  | 52.0                  | 52.6                | 1.6  |
| Wollongong               | 45.6                  | 46.8                  | 68.9                | 23.3   |
| Geelong#                 | 36.5                  | 45.0                  | 54.1                | n.a.   |
| Greater Hobart           | 52.9                  | 54.8                  | 57.2                | 4.3  |
| Townsville               | 48.2                  | 47.2                  | 50.3                | 2.1  |
| Cairns                   | 49.3                  | 66.4                  | 53.3                | 4.0  |
| Greater Darwin           | 50.6                  | 54.5                  | 51.4                | 0.8  |
| Toowoomba#               | 27.1                  | 37.1                  | 44.3                | n.a.   |
| Ballarat                 | 34.3                  | 46.1                  | 49.2                | 14.9   |
| Bendigo                  | 67.5                  | 57.3                  | 51.6                | -15.9  |
| Albury - Wodonga         | 55.5                  | *46.9                 | 62.4                | 6.9  |
| Launceston               | 50.0                  | 49.4                  | 53.1                | 3.1  |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

\*\* The major urban areas (MUA) of Sydney, Melbourne, Brisbane, Adelaide, Perth, Hobart and Darwin are based on the 2011 ASGS Greater Capital City Statistical Area (GCCSA) classification for 2011-12 and 2014-15 figures and the 2016 ASGS GCCSA classification for 2017-18 figures. All other MUAs for 2011-12 and 2014-15 are based on the 2011 ASGS Significant Urban Areas (SUA) and the proportions for 2017-18 are based on the 2016 ASGS SUA classification.

# The boundaries for Geelong and Toowoomba SUAs changed significantly between 2011 and 2016. As such no change value is provided.

Persons 18 years and over who have participated in at least 150 minutes of "exercise only" in the last week.

"Exercise only" consists of the following domains: walking for transport, walking for fitness, sport or recreation, moderate exercise and/or vigorous exercise. For the purpose of this measure, minutes spent on vigorous activity is multiplied by a factor of two in 2017-18.

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

n.a. Not available.

### Physical activity across sub-state regions

- The proportion of adults who met physical activity guidelines increased in the majority of sub-state regions for which data was available between 2011-12 and 2017-18.
- The largest increases in the proportion of adults who met physical activity guidelines were recorded in Hume (up 23.4 percentage points).
- The largest decrease in the rate of physical activity occurred in Sydney - Blacktown, falling 11.4 percentage points.

Table P 1.1.5.c Adults who met physical activity guidelines by sub-state region

| Sub-State Region                       | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|--|-----------------------|-----------------------|---------------------|--|
| <b>New South Wales</b>                 | <b>52.1</b>           | <b>53.2</b>           | <b>54.5</b>         | <b>2.4</b>   |
| <b>Greater Sydney</b>                  | <b>56.1</b>           | <b>55.8</b>           | <b>56.2</b>         | <b>0.1</b>   |
| Central Coast                          | 40.7                  | 46.8                  | 48.5                | 7.8  |
| Sydney - Baulkham Hills and Hawkesbury | 51.1                  | 48.6                  | 56.3                | 5.2  |
| Sydney - Blacktown                     | 51.6                  | 40.1                  | 40.2                | -11.4  |
| Sydney - City and Inner South          | 75.6                  | 77.0                  | 76.5                | 0.9  |
| Sydney - Eastern Suburbs               | 68.6                  | 77.8                  | 76.0                | 7.4  |
| Sydney - Inner South West              | 52.8                  | 50.9                  | 61.9                | 9.1  |
| Sydney - Inner West                    | 66.8                  | 62.2                  | 63.8                | -3.0   |
| Sydney - North Sydney and Hornsby      | 63.2                  | 73.6                  | 65.2                | 2.0  |
| Sydney - Northern Beaches              | 64.8                  | 59.9                  | 62.4                | -2.4   |
| Sydney - Outer South West              | 57.5                  | 57.3                  | 50.9                | -6.6   |
| Sydney - Outer West and Blue Mountains | 37.4                  | 39.3                  | 46.3                | 8.9  |
| Sydney - Parramatta                    | 58.7                  | 50.1                  | 49.5                | -9.2   |
| Sydney - Ryde                          | 58.8                  | 51.2                  | 59.1                | 0.3  |
| Sydney - South West                    | 36.6                  | 43.1                  | 36.3                | -0.3   |
| Sydney - Sutherland                    | 67.0                  | 68.0                  | 59.0                | -8.0   |
| <b>Rest of New South Wales</b>         | <b>45.1</b>           | <b>48.9</b>           | <b>51.4</b>         | <b>6.3</b>   |
| Capital Region                         | 45.9                  | 44.2                  | 47.4                | 1.5  |
| Central West                           | 47.0                  | 49.3                  | 48.8                | 1.8  |
| Coffs Harbour - Grafton                | 58.5                  | 47.2                  | 51.0                | -7.5   |
| Far West and Orana                     | n.p.                  | 54.3                  | 39.0                | n.a.   |
| Hunter Valley exc Newcastle            | 48.0                  | 49.7                  | 49.1                | 1.1  |
| Illawarra                              | 46.1                  | 46.8                  | 57.5                | 11.4   |
| Mid North Coast                        | 45.4                  | 55.1                  | 54.8                | 9.4  |
| Murray                                 | 48.1                  | 49.8                  | 43.4                | -4.7   |
| New England and North West             | 31.8                  | 34.5                  | 45.0                | 13.2   |
| Newcastle and Lake Macquarie           | 43.4                  | 50.7                  | 52.7                | 9.3  |
| Richmond - Tweed                       | 50.1                  | 65.9                  | 69.8                | 19.7   |
| Riverina                               | 41.7                  | 35.3                  | 44.5                | 2.8  |
| Southern Highlands and Shoalhaven      | 48.8                  | 46.0                  | 42.3                | -6.5   |
| <b>Victoria</b>                        | <b>51.4</b>           | <b>54.6</b>           | <b>53.3</b>         | <b>1.9</b>   |
| <b>Greater Melbourne</b>               | <b>52.8</b>           | <b>57.2</b>           | <b>53.9</b>         | <b>1.1</b>   |
| Melbourne - Inner                      | 65.0                  | 70.3                  | 75.4                | 10.4   |
| Melbourne - Inner East                 | 60.1                  | 66.2                  | 62.9                | 2.8  |
| Melbourne - Inner South                | 65.0                  | 60.8                  | 69.7                | 4.7  |
| Melbourne - North East                 | 55.0                  | 50.9                  | 49.4                | -5.6   |
| Melbourne - North West                 | 50.8                  | 42.5                  | 55.4                | 4.6  |
| Melbourne - Outer East                 | 49.3                  | 59.8                  | 51.6                | 2.3  |
| Melbourne - South East                 | 44.3                  | 49.6                  | 41.7                | -2.6   |
| Melbourne - West                       | 43.5                  | 54.9                  | 44.2                | 0.7  |
| Mornington Peninsula                   | 48.3                  | 53.5                  | 47.5                | -0.8   |
| <b>Rest of Victoria</b>                | <b>47.2</b>           | <b>47.0</b>           | <b>51.0</b>         | <b>3.8</b>   |
| Ballarat                               | 40.8                  | 48.1                  | 49.2                | 8.4  |
| Bendigo                                | 60.4                  | 55.3                  | 51.6                | -8.8   |

(continued)

*Adults who met physical activity guidelines by sub-state region (continued)*

| <i>Sub-State Region</i>                       | <i>2011-12**<br/>per cent</i> | <i>2014-15**<br/>per cent</i> | <i>2017-18<br/>per cent</i> | <i>2011-12 -<br/>2017-18<br/>change<br/>percentage<br/>points</i> |
|---|-------------------------------|-------------------------------|-----------------------------|---|
| Geelong                                       | 42.1                          | 40.2                          | 54.1                        | 12.0  |
| Hume  | 56.1                          | *46.9                         | 79.5                        | 23.4  |
| Latrobe - Gippsland                           | 54.2                          | 49.8                          | 49.9                        | -4.3  |
| North West                                    | 49.3                          | *44.2                         | 51.3                        | 2.0   |
| Shepparton                                    | 39.4                          | 54.2                          | 37.3                        | -2.1  |
| Warrnambool and South West                    | 38.1                          | 39.1                          | 38.5                        | 0.4   |
| <b>Queensland</b>                             | <b>48.3</b>                   | <b>48.7</b>                   | <b>48.7</b>                 | <b>0.4</b>  |
| <b>Greater Brisbane</b>                       | <b>49.4</b>                   | <b>50.8</b>                   | <b>49.6</b>                 | <b>0.2</b>  |
| Brisbane - East                               | 53.6                          | 50.6                          | 54.6                        | 1.0   |
| Brisbane - North                              | 56.6                          | 54.6                          | 54.4                        | -2.2  |
| Brisbane - South                              | 46.7                          | 45.9                          | 50.6                        | 3.9   |
| Brisbane - West                               | 49.6                          | 68.2                          | 58.4                        | 8.8   |
| Brisbane Inner City                           | 62.6                          | 74.0                          | 69.6                        | 7.0   |
| Ipswich                                       | 37.3                          | 35.6                          | 32.1                        | -5.2  |
| Logan - Beaudesert                            | 34.7                          | 43.3                          | 41.1                        | 6.4   |
| Moreton Bay - North                           | 49.8                          | 48.7                          | 40.3                        | -9.5  |
| Moreton Bay - South                           | 58.3                          | 43.7                          | 55.8                        | -2.5  |
| <b>Rest of Queensland</b>                     | <b>47.4</b>                   | <b>46.7</b>                   | <b>48.2</b>                 | <b>0.8</b>  |
| Cairns  | 52.6                          | 58.1                          | 53.3                        | 0.7   |
| Darling Downs - Maranoa                       | *34.4                         | *36.4                         | 37.6                        | 3.2   |
| Central Queensland (formerly Fitzroy)         | 35.1                          | 46.8                          | 39.0                        | 3.9   |
| Gold Coast                                    | 57.8                          | 55.2                          | 55.5                        | -2.3  |
| Mackay - Isaac - Whitsunday (formerly Mackay) | 47.4                          | 35.1                          | 38.9                        | -8.5  |
| Queensland - Outback                          | n.p.                          | *22.9                         | 45.7                        | n.a.  |
| Sunshine Coast                                | 50.8                          | 49.8                          | 52.6                        | 1.8   |
| Toowoomba                                     | 32.4                          | 39.0                          | 44.3                        | 11.9  |
| Townsville                                    | 46.1                          | 41.7                          | 50.3                        | 4.2   |
| Wide Bay                                      | 48.0                          | 36.7                          | 38.8                        | -9.2  |
| <b>South Australia</b>                        | <b>47.9</b>                   | <b>50.1</b>                   | <b>48.8</b>                 | <b>0.9</b>  |
| <b>Greater Adelaide</b>                       | <b>51.1</b>                   | <b>53.8</b>                   | <b>52.2</b>                 | <b>1.1</b>  |
| Adelaide - Central and Hills                  | 60.5                          | 61.2                          | 57.3                        | -3.2  |
| Adelaide - North                              | 42.7                          | 49.2                          | 51.8                        | 9.1   |
| Adelaide - South                              | 56.7                          | 57.0                          | 50.8                        | -5.9  |
| Adelaide - West                               | 45.4                          | 47.5                          | 52.4                        | 7.0   |
| <b>Rest of South Australia</b>                | <b>36.5</b>                   | <b>36.1</b>                   | <b>36.5</b>                 | <b>0.0</b>  |
| Barossa - Yorke - Mid North                   | 33.3                          | 39.6                          | 37.2                        | 3.9   |
| South Australia - Outback                     | n.p.                          | 39.2                          | 38.1                        | n.a.  |
| South Australia - South East                  | 39.3                          | 33.1                          | 35.9                        | -3.4  |
| <b>Western Australia</b>                      | <b>51.5</b>                   | <b>56.0</b>                   | <b>56.4</b>                 | <b>4.9</b>  |
| <b>Greater Perth</b>                          | <b>52.3</b>                   | <b>57.2</b>                   | <b>59.4</b>                 | <b>7.1</b>  |
| Mandurah                                      | 52.3                          | 64.4                          | 53.7                        | 1.4   |
| Perth - Inner                                 | 63.3                          | 77.1                          | 69.2                        | 5.9   |
| Perth - North East                            | 49.8                          | 52.3                          | 56.9                        | 7.1   |
| Perth - North West                            | 52.0                          | 52.0                          | 59.7                        | 7.7   |
| Perth - South East                            | 44.2                          | 55.5                          | 56.0                        | 11.8  |

(continued)



## Adults who met physical activity guidelines by sub-state region (continued)

| <b>Sub-State Region</b>             | <b>2011-12**</b> | <b>2014-15**</b> | <b>2017-18</b>  | <b>2011-12 -<br/>2017-18</b>            |
|-------------------------------------|------------------|------------------|-----------------|---|
|                                     | <b>per cent</b>  | <b>per cent</b>  | <b>per cent</b> | <b>change<br/>percentage<br/>points</b> |
| Perth - South West                  | 58.3             | 56.8             | 59.0            | 0.7                                     |
| <b>Rest of Western Australia</b>    | <b>48.4</b>      | <b>50.4</b>      | <b>41.1</b>     | <b>-7.3</b>                             |
| Bunbury                             | 48.2             | 57.6             | 45.5            | -2.7                                    |
| Western Australia - Wheat Belt      | 41.9             | 54.6             | 48.4            | 6.5                                     |
| Western Australia - Outback#        | n.p.             | 34.1             | 34.2            | n.a.                                    |
| <b>Tasmania</b>                     | <b>49.0</b>      | <b>48.8</b>      | <b>49.5</b>     | <b>0.5</b>                              |
| <b>Greater Hobart</b>               | <b>52.9</b>      | <b>54.8</b>      | <b>57.2</b>     | <b>4.3</b>                              |
| <b>Rest of Tasmania</b>             | <b>46.0</b>      | <b>44.3</b>      | <b>43.2</b>     | <b>-2.8</b>                             |
| Launceston and North East           | 49.8             | 45.5             | 45.4            | -4.4                                    |
| South East                          | 44.8             | 47.5             | 43.4            | -1.4                                    |
| West and North West                 | 42.0             | 42.2             | 41.5            | -0.5                                    |
| <b>Northern Territory</b>           | <b>50.7</b>      | <b>53.7</b>      | <b>51.3</b>     | <b>0.6</b>                              |
| <b>Greater Darwin</b>               | <b>50.6</b>      | <b>54.5</b>      | <b>51.4</b>     | <b>0.8</b>                              |
| <b>Rest of Northern Territory</b>   | <b>n.p.</b>      | <b>51.5</b>      | <b>50.3</b>     | <b>n.a.</b>                             |
| Northern Territory - Outback        | n.p.             | 51.5             | 50.3            | n.a.                                    |
| <b>Australian Capital Territory</b> | <b>56.3</b>      | <b>58.9</b>      | <b>61.7</b>     | <b>5.4</b>                              |
| <b>Australian Capital Cities</b>    | <b>53.2</b>      | <b>55.5</b>      | <b>54.7</b>     | <b>1.5</b>                              |
| <b>Australian Rest of States</b>    | <b>46.1</b>      | <b>47.2</b>      | <b>48.7</b>     | <b>2.6</b>                              |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

\*\* Geographies for 2011-12 and 2014-15 are based on the 2011 ASGS classification. Geographies for 2017-18 are based on the 2016 ASGS classification.

# The Western Australia - Outback Statistical Area Level 4 (SA4) is based on the 2011 ASGS classification for 2011-12, 2014-15 and 2017-18.

Persons 18 years and over who have participated in at least 150 minutes of "exercise only" in the last week.

"Exercise only" consists of the following domains: walking for transport, walking for fitness, sport or recreation, moderate exercise and/or vigorous exercise. For the purpose of this measure, minutes spent on vigorous activity is multiplied by a factor of two in 2017-18.

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

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

n.p. Not available for publication but included in totals where applicable, unless otherwise indicated.

n.a. Not available.

## P 1.1.6 Smoking rates

The proportion of adults who are current daily smokers is an indicator of healthy lifestyles and has a significant effect on overall life expectancy. Healthy lifestyles are important and contribute to longevity and a person's physical and mental wellbeing.<sup>14</sup>

- Between 2011-12 and 2017-18, the proportion of adults who are current daily smokers fell by 2.3 percentage points across Australia, from 16.1 per cent to 13.8 per cent.

### Smoking rates across remoteness classes

- Daily smoking rates fell across all four of the reported remoteness classes between 2011-12 and 2017-18.
- The largest decrease occurred in remote areas of Australia (down 6.5 percentage points) followed by inner regional areas (down 2.9 percentage points).

Table P 1.1.6.a Adults who are current daily smokers by remoteness class

| Remoteness Class | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|------------------|-----------------------|-----------------------|---------------------|--|
| Major Cities     | 14.7                  | 13.1                  | 12.7                | -2.0   |
| Inner Regional   | 18.3                  | 16.7                  | 15.4                | -2.9   |
| Outer Regional   | 21.7                  | 21.0                  | 18.9                | -2.8   |
| Remote           | 26.2                  | 18.9                  | 19.7                | -6.5   |
| AUSTRALIA        | 16.1                  | 14.5                  | 13.8                | -2.3   |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

\*\* Remoteness Area classification and Australian totals for 2011-12 and 2014-15 are based on the 2011 ASGS. Remoteness Area classification and Australian totals for 2017-18 are based on the 2016 ASGS.

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

In 2017-18, data from National Health Survey (NHS) and Survey of Income and Housing (SIH) have been combined to create a much larger sample which will allow for a more accurate smoker status estimate. The combined dataset was used solely for smoker status, not consumption of cigarettes.

Persons 18 years and over.

### Smoking rates across major urban areas

- The proportion of adults who are daily smokers declined in almost all major urban areas.
- The largest decline in the rate of adult smoking was recorded in Ballarat, with a fall of 11.1 percentage points.<sup>15</sup>
- The largest increase was recorded in Wollongong (2.1 percentage points), followed by Gold Coast - Tweed Heads (0.6 percentage points).

<sup>14</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

<sup>15</sup> 2011-12 estimate has a relative standard error of 25 per cent to 50 per cent and should be used with caution.

Table P 1.1.6.b Adults who are current daily smokers by major urban area

| Major Urban Area         | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|--------------------------|-----------------------|-----------------------|---------------------|--|
| Greater Sydney           | 13.2                  | 12.1                  | 12.1                | -1.1   |
| Greater Melbourne        | 14.9                  | 12.8                  | 12.9                | -2.0   |
| Greater Brisbane         | 16.6                  | 13.8                  | 13.3                | -3.3   |
| Greater Perth            | 16.5                  | 13.5                  | 10.7                | -5.8   |
| Greater Adelaide         | 15.0                  | 11.6                  | 11.9                | -3.1   |
| Gold Coast - Tweed Heads | 16.0                  | 19.6                  | 16.6                | 0.6  |
| Newcastle - Maitland     | 14.8                  | 15.9                  | 14.0                | -0.8   |
| Canberra - Queanbeyan    | 13.0                  | 13.9                  | 10.3                | -2.7   |
| Sunshine Coast           | 13.4                  | 18.4                  | 13.7                | 0.3  |
| Wollongong               | 16.6                  | *21.3                 | 18.7                | 2.1  |
| Geelong#                 | *13.9                 | *14.8                 | 14.6                | n.a.   |
| Greater Hobart           | 18.4                  | 16.8                  | 14.6                | -3.8   |
| Townsville               | 20.7                  | *12.2                 | 15.8                | -4.9   |
| Cairns                   | 29.1                  | n.p.                  | 19.7                | -9.4   |
| Greater Darwin           | 22.7                  | 19.5                  | 18.3                | -4.4   |
| Toowoomba#               | 18.6                  | *17.5                 | 14.8                | n.a.   |
| Ballarat                 | *24.0                 | n.p.                  | 12.9                | -11.1  |
| Bendigo                  | *24.9                 | n.p.                  | 16.2                | -8.7   |
| Albury - Wodonga         | *17.4                 | n.p.                  | 14.1                | -3.3   |
| Launceston               | 15.8                  | 18.2                  | 16.1                | 0.3  |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

\*\* The major urban areas (MUA) of Sydney, Melbourne, Brisbane, Adelaide, Perth, Hobart and Darwin are based on the 2011 ASGS Greater Capital City Statistical Area (GCCSA) classification for 2011-12 and 2014-15 figures and the 2016 ASGS GCCSA classification for 2017-18 figures. All other MUAs for 2011-12 and 2014-15 are based on the 2011 ASGS Significant Urban Areas (SUA) and the proportions for 2017-18 are based on the 2016 ASGS SUA classification.

# The boundaries for Geelong and Toowoomba SUAs changed significantly between 2011 and 2016. As such no change value is provided.

In 2017-18, data from National Health Survey (NHS) and Survey of Income and Housing (SIH) have been combined to create a much larger sample which will allow for a more accurate smoker status estimate. The combined dataset was used solely for smoker status, not consumption of cigarettes.

Persons 18 years and over.

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

n.p. Not available for publication but included in totals where applicable, unless otherwise indicated.

n.a. Not available.

### Smoking rates across sub-state regions

- Both Australian capital cities and rest of states recorded a decline in daily smokers by 2.6 and 1.9 percentage points respectively between 2011-12 and 2017-18.
- All states and territories recorded declines in adult smoking rates over the same period.
- The largest decline in smokers across the Statistical Area Level 4 regions was recorded in Ballarat, with a decline of 15.2 percentage points.
- The largest increase across the Statistical Area Level 4 regions was recorded in Hunter Valley (excluding Newcastle) with an increase of 9.6 percentage points<sup>16</sup>.

<sup>16</sup> 2011-12 estimate has a relative standard error of 25 per cent to 50 per cent and should be used with caution.

Table P 1.1.6.c Adults who are current daily smokers by sub-state region

| Sub-State Region                       | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|--|-----------------------|-----------------------|---------------------|--|
| <b>New South Wales</b>                 | <b>14.3</b>           | <b>14.2</b>           | <b>13.9</b>         | <b>-0.4</b>  |
| <b>Greater Sydney</b>                  | <b>13.2</b>           | <b>12.1</b>           | <b>12.1</b>         | <b>-1.1</b>  |
| Central Coast                          | 17.5                  | 17.0                  | 16.9                | -0.6   |
| Sydney - Baulkham Hills and Hawkesbury | *7.7                  | *9.0                  | *6.0                | -1.7   |
| Sydney - Blacktown                     | 15.8                  | 18.1                  | 13.4                | -2.4   |
| Sydney - City and Inner South          | 11.4                  | *7.8                  | 14.8                | 3.4  |
| Sydney - Eastern Suburbs               | 10.5                  | *6.3                  | 10.1                | -0.4   |
| Sydney - Inner South West              | 12.9                  | 14.7                  | 13.3                | 0.4  |
| Sydney - Inner West                    | 11.5                  | *9.4                  | *10.0               | -1.5   |
| Sydney - North Sydney and Hornsby      | 8.1                   | *7.0                  | *4.5                | -3.6   |
| Sydney - Northern Beaches              | *6.2                  | *6.0                  | *7.5                | 1.3  |
| Sydney - Outer South West              | *16.1                 | *14.0                 | 14.9                | -1.2   |
| Sydney - Outer West and Blue Mountains | 19.9                  | 22.0                  | *20.8               | 0.9  |
| Sydney - Parramatta                    | 18.1                  | 12.4                  | 13.9                | -4.2   |
| Sydney - Ryde                          | 14.5                  | n.p.                  | n.p.                | n.a.   |
| Sydney - South West                    | 16.0                  | *10.7                 | 17.0                | 1.0  |
| Sydney - Sutherland                    | 13.3                  | *16.3                 | *11.0               | -2.3   |
| <b>Rest of New South Wales</b>         | <b>16.1</b>           | <b>17.9</b>           | <b>17.5</b>         | <b>1.4</b>   |
| Capital Region                         | *14.9                 | *29.6                 | 17.9                | 3.0  |
| Central West                           | *22.1                 | *18.7                 | 18.0                | -4.1   |
| Coffs Harbour - Grafton                | *14.9                 | *17.6                 | 16.1                | 1.2  |
| Far West and Orana                     | n.p.                  | 25.7                  | 24.0                | n.a.   |
| Hunter Valley exc Newcastle            | *11.4                 | *13.4                 | 21.0                | 9.6  |
| Illawarra                              | 16.3                  | *21.3                 | 16.7                | 0.4  |
| Mid North Coast                        | 14.5                  | *21.8                 | 23.1                | 8.6  |
| Murray                                 | *12.7                 | n.p.                  | n.p.                | n.a.   |
| New England and North West             | 20.9                  | *17.4                 | 25.8                | 4.9  |
| Newcastle and Lake Macquarie           | 15.7                  | *13.2                 | 14.4                | -1.3   |
| Richmond - Tweed                       | 12.9                  | *16.2                 | 12.5                | -0.4   |
| Riverina                               | *14.3                 | n.p.                  | n.p.                | n.a.   |
| Southern Highlands and Shoalhaven      | 27.8                  | n.p.                  | 17.2                | -10.6  |
| <b>Victoria</b>                        | <b>16.3</b>           | <b>13.7</b>           | <b>13.5</b>         | <b>-2.8</b>  |
| <b>Greater Melbourne</b>               | <b>14.9</b>           | <b>12.8</b>           | <b>12.9</b>         | <b>-2.0</b>  |
| Melbourne - Inner                      | 10.9                  | 9.5                   | 10.7                | -0.2   |
| Melbourne - Inner East                 | *7.6                  | *8.5                  | 7.5                 | -0.1   |
| Melbourne - Inner South                | 10.6                  | 14.8                  | 9.1                 | -1.5   |
| Melbourne - North East                 | 17.2                  | *13.1                 | 15.0                | -2.2   |
| Melbourne - North West                 | 18.2                  | *15.6                 | *12.8               | -5.4   |
| Melbourne - Outer East                 | 15.7                  | 12.9                  | 14.0                | -1.7   |
| Melbourne - South East                 | 12.6                  | 14.0                  | 14.4                | 1.8  |
| Melbourne - West                       | 23.0                  | 12.9                  | 13.5                | -9.5   |
| Mornington Peninsula                   | 19.4                  | 16.1                  | 18.0                | -1.4   |
| <b>Rest of Victoria</b>                | <b>20.3</b>           | <b>17.2</b>           | <b>15.7</b>         | <b>-4.6</b>  |
| Ballarat                               | 28.1                  | n.p.                  | 12.9                | -15.2  |
| Bendigo                                | *16.7                 | *18.0                 | 16.2                | -0.5   |

(continued)

## Adults who are current daily smokers by sub-state region (continued)

| Sub-State Region                              | 2011-12**<br>per cent | 2014-15**<br>per cent | 2017-18<br>per cent | 2011-12 -<br>2017-18<br>change<br>percentage<br>points |
|---|-----------------------|-----------------------|---------------------|--|
| Geelong                                       | *13.6                 | *11.9                 | 14.6                | 1.0  |
| Hume  | 27.2                  | n.p.                  | 16.8                | -10.4  |
| Latrobe - Gippsland                           | 14.9                  | *20.5                 | 16.8                | 1.9  |
| North West                                    | 24.4                  | *13.2                 | 14.4                | -10.0  |
| Shepparton                                    | 25.3                  | 28.8                  | 13.4                | -11.9  |
| Warrnambool and South West                    | 19.6                  | *15.7                 | 20.5                | 0.9  |
| <b>Queensland</b>                             | <b>17.8</b>           | <b>16.1</b>           | <b>14.9</b>         | <b>-2.9</b>  |
| <b>Greater Brisbane</b>                       | <b>16.6</b>           | <b>13.8</b>           | <b>13.3</b>         | <b>-3.3</b>  |
| Brisbane - East                               | 16.9                  | *12.9                 | 13.2                | -3.7   |
| Brisbane - North                              | 14.2                  | *10.8                 | 10.4                | -3.8   |
| Brisbane - South                              | 11.6                  | *9.4                  | 8.4                 | -3.2   |
| Brisbane - West                               | *7.6                  | *8.1                  | 9.2                 | 1.6  |
| Brisbane Inner City                           | 12.4                  | *9.7                  | 7.9                 | -4.5   |
| Ipswich                                       | 19.0                  | 18.8                  | 20.2                | 1.2  |
| Logan - Beaudesert                            | 23.3                  | 19.7                  | 20.0                | -3.3   |
| Moreton Bay - North                           | 23.9                  | 18.1                  | 16.5                | -7.4   |
| Moreton Bay - South                           | *17.5                 | *15.1                 | 9.7                 | -7.8   |
| <b>Rest of Queensland</b>                     | <b>18.9</b>           | <b>18.4</b>           | <b>16.4</b>         | <b>-2.5</b>  |
| Cairns  | 26.0                  | *17.3                 | 19.7                | -6.3   |
| Darling Downs - Maranoa                       | 22.3                  | *7.1                  | 18.0                | -4.3   |
| Central Queensland (formerly Fitzroy)         | 22.4                  | 22.6                  | 19.5                | -2.9   |
| Gold Coast                                    | 14.8                  | 18.8                  | 16.6                | 1.8  |
| Mackay - Isaac - Whitsunday (formerly Mackay) | 25.9                  | 25.4                  | 12.7                | -13.2  |
| Queensland - Outback                          | n.p.                  | n.p.                  | 21.3                | n.a.   |
| Sunshine Coast                                | 13.2                  | 18.1                  | 13.7                | 0.5  |
| Toowoomba                                     | 20.3                  | *14.4                 | 14.8                | -5.5   |
| Townsville                                    | 21.5                  | *14.6                 | 15.8                | -5.7   |
| Wide Bay                                      | 17.4                  | *21.0                 | 16.0                | -1.4   |
| <b>South Australia</b>                        | <b>16.1</b>           | <b>13.1</b>           | <b>12.9</b>         | <b>-3.2</b>  |
| <b>Greater Adelaide</b>                       | <b>15.0</b>           | <b>11.6</b>           | <b>11.9</b>         | <b>-3.1</b>  |
| Adelaide - Central and Hills                  | 9.5                   | 7.2                   | 9.2                 | -0.3   |
| Adelaide - North                              | 17.8                  | 16.2                  | 12.9                | -4.9   |
| Adelaide - South                              | 13.4                  | 9.1                   | 10.9                | -2.5   |
| Adelaide - West                               | 19.3                  | 13.1                  | 14.8                | -4.5   |
| <b>Rest of South Australia</b>                | <b>20.3</b>           | <b>18.4</b>           | <b>16.9</b>         | <b>-3.4</b>  |
| Barossa - Yorke - Mid North                   | 23.3                  | 22.8                  | 12.1                | -11.2  |
| South Australia - Outback                     | n.p.                  | n.p.                  | 20.2                | n.a.   |
| South Australia - South East                  | 16.9                  | 18.5                  | 18.3                | 1.4  |
| <b>Western Australia</b>                      | <b>17.7</b>           | <b>14.3</b>           | <b>11.8</b>         | <b>-5.9</b>  |
| <b>Greater Perth</b>                          | <b>16.5</b>           | <b>13.5</b>           | <b>10.7</b>         | <b>-5.8</b>  |
| Mandurah                                      | 21.0                  | *14.6                 | n.p.                | n.a.   |
| Perth - Inner                                 | 9.9                   | *5.6                  | 7.8                 | -2.1   |
| Perth - North East                            | 19.6                  | 22.5                  | 13.3                | -6.3   |
| Perth - North West                            | 16.5                  | 13.3                  | 11.7                | -4.8   |
| Perth - South East                            | 19.4                  | 13.1                  | 10.7                | -8.7   |

(continued)

# Adults who are current daily smokers by sub-state region (continued)

| <i>Sub-State Region</i>             | <i>2011-12**</i><br><i>per cent</i> | <i>2014-15**</i><br><i>per cent</i> | <i>2017-18</i><br><i>per cent</i> | <i>2011-12 -</i><br><i>2017-18</i><br><i>change</i><br><i>percentage</i><br><i>points</i> |
|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------|---|
| Perth - South West                  | 13.5                                | 13.2                                | 10.5                              | -3.0  |
| <b>Rest of Western Australia</b>    | <b>22.3</b>                         | <b>18.6</b>                         | <b>17.5</b>                       | <b>-4.8</b>   |
| Bunbury                             | 21.6                                | *10.7                               | 16.3                              | -5.3  |
| Western Australia - Wheat Belt      | 18.3                                | *19.0                               | 15.7                              | -2.6  |
| Western Australia - Outback#        | n.p.                                | 30.4                                | 23.0                              | n.a.  |
| <b>Tasmania</b>                     | <b>20.6</b>                         | <b>17.9</b>                         | <b>16.4</b>                       | <b>-4.2</b>   |
| <b>Greater Hobart</b>               | <b>18.4</b>                         | <b>16.8</b>                         | <b>14.6</b>                       | <b>-3.8</b>   |
| <b>Rest of Tasmania</b>             | <b>22.2</b>                         | <b>18.8</b>                         | <b>17.7</b>                       | <b>-4.5</b>   |
| Launceston and North East           | 17.9                                | 19.0                                | 17.1                              | -0.8  |
| South East                          | 25.8                                | *19.8                               | 15.4                              | -10.4   |
| West and North West                 | 26.7                                | 18.3                                | 19.6                              | -7.1  |
| <b>Northern Territory</b>           | <b>23.7</b>                         | <b>20.9</b>                         | <b>19.6</b>                       | <b>-4.1</b>   |
| <b>Greater Darwin</b>               | <b>22.7</b>                         | <b>19.5</b>                         | <b>18.3</b>                       | <b>-4.4</b>   |
| <b>Rest of Northern Territory</b>   | <b>n.p.</b>                         | <b>23.9</b>                         | <b>22.4</b>                       | <b>n.a.</b>   |
| Northern Territory - Outback        | n.p.                                | 23.9                                | 22.4                              | n.a.  |
| <b>Australian Capital Territory</b> | <b>12.6</b>                         | <b>12.4</b>                         | <b>10.6</b>                       | <b>-2.0</b>   |
| <b>Australian Capital Cities</b>    | <b>14.9</b>                         | <b>12.8</b>                         | <b>12.3</b>                       | <b>-2.6</b>   |
| <b>Australian Rest of States</b>    | <b>18.7</b>                         | <b>18.1</b>                         | <b>16.8</b>                       | <b>-1.9</b>   |

Source: ABS 2019, Customised report, National Health Survey: First Results, 2017-18 (cat. no. 4364.0.55.001)

\*\* Geographies for 2011-12 and 2014-15 are based on the 2011 ASGS classification. Geographies for 2017-18 are based on the 2016 ASGS classification.

# The Western Australia - Outback Statistical Area Level 4 (SA4) is based on the 2011 ASGS classification for 2011-12, 2014-15 and 2017-18.

In 2017-18, data from National Health Survey (NHS) and Survey of Income and Housing (SIH) have been combined to create a much larger sample which will allow for a more accurate smoker status estimate. The combined dataset was used solely for smoker status, not consumption of cigarettes.

Persons 18 years and over.

\* Estimate has a relative standard error of 25% to 50% and should be used with caution.

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

n.p. Not available for publication but included in totals where applicable, unless otherwise indicated.

n.a. Not available.



## P 1.2 Close relationships

### P 1.2.1 Children developmentally vulnerable due to physical health and wellbeing

The proportion of children who are developmentally vulnerable because of their physical health and wellbeing provides an insight into childhood development, particularly of those children who are at risk of not achieving the skills required for their development.

The physical health and wellbeing of children refers to their physical readiness for the school day, physical independence and gross fine motor skills.<sup>17</sup>

- Across Australia, there was a 0.3 percentage point increase in the proportion of children who were developmentally vulnerable due to their physical health and wellbeing between 2012 and 2018.

#### *Children who are developmentally vulnerable due to physical health and wellbeing across remoteness classes*

- The proportion of children who were developmentally vulnerable due to physical health and wellbeing increased across all five remoteness classes between 2012 and 2018.
- The largest increase in the proportion of children who were developmentally vulnerable occurred in remote Australia. It had a 3.0 percentage point increase from 10.8 per cent to 13.8 per cent between 2012 and 2018.
- The next largest increase was in very remote Australia, which had a 2.4 percentage point rise from 20.9 to 23.3 per cent.
- Major cities had the lowest increase of 0.1 percentage point from 8.6 to 8.7 per cent between 2012 and 2018.

*Table P 1.2.1.a Children who are developmentally vulnerable due to their physical health and wellbeing by remoteness class*

| <b>Remoteness Class</b> | <b>2012<br/>per cent</b> | <b>2015<br/>per cent</b> | <b>2018<br/>per cent</b> | <b>2012 - 2018<br/>change<br/>percentage<br/>points</b> |
|-------------------------|--------------------------|--------------------------|--------------------------|---|
| Major Cities            | 8.6                      | 8.9                      | 8.7                      | 0.1   |
| Inner Regional          | 10.1                     | 10.6                     | 10.9                     | 0.8   |
| Outer Regional          | 11.3                     | 11.5                     | 12.1                     | 0.8   |
| Remote                  | 10.8                     | 13.0                     | 13.8                     | 3.0   |
| Very Remote             | 20.9                     | 23.3                     | 23.3                     | 2.4   |
| <b>AUSTRALIA</b>        | <b>9.3</b>               | <b>9.7</b>               | <b>9.6</b>               | <b>0.3</b>  |

Source: Department of Education and Training 2019, Australian Early Development Census (AEDC), National Report 2018: A Snapshot of Early Childhood Development in Australia

Geography is based on the 2016 ASGS.

The AEDC geography was updated in order to match the 2016 ASGS. Revised boundaries were used for the 2018 collection and applied retrospectively to all previous collections in order to allow trend analysis over all periods presented.

Children who score in the lowest 10% of the AEDC population are classified as 'developmentally vulnerable'. However due to the distribution of results, natural breaks closest to the 10th percentile were used.

<sup>17</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

## P 1.3 Home

### P 1.3.1 Homelessness

The homelessness rate is an indicator of the absence of core parts of a 'home', like shelter from the elements, privacy, safety from harm, and the essential infrastructure needed for living with dignity. This definition of homelessness also includes those people living in severely overcrowded housing.

A home needs to be affordable and appropriate for those living in it. It should cater for the different needs of people at different stages of life, their physical abilities, and their cultural context. A home can also contribute to a sense of belonging, of being settled and engender feelings of pride, security and ownership. In this way, homes can be central to building positive relationships and communities.<sup>18</sup>

- The homelessness rate increased across Australia by 4.6 persons per 10,000 people between 2006 and 2016, from 45.2 persons in 2006 to 49.8 persons in 2016.

#### Homelessness across remoteness classes

- Between 2006 and 2016, homelessness decreased across most of the remoteness classes. The largest decrease was observed in very remote Australia with a decline of 225.5 persons per 10,000 people.
- Major cities recorded the largest increase of 11.0 homeless per 10,000 people between 2006 and 2016, from 34.5 homeless per 10,000 people to 45.5 homeless per 10,000 people.

Table P 1.3.1.a Homelessness by remoteness class

| Remoteness Class | 2006<br>rate per 10,000<br>population | 2011<br>rate per 10,000<br>population | 2016<br>rate per 10,000<br>population | 2006-2016<br>change in rate |
|------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------|
| Major Cities     | 34.5                                  | 39.8                                  | 45.5                                  | 11.0                        |
| Inner Regional   | 29.9                                  | 32.1                                  | 31.4                                  | 1.5                         |
| Outer Regional   | 52.0                                  | 44.8                                  | 48.1                                  | -3.9                        |
| Remote           | 130.1                                 | 121.6                                 | 110.8                                 | -19.3                       |
| Very Remote      | 819.4                                 | 705.8                                 | 593.9                                 | -225.5                      |
| AUSTRALIA        | 45.2                                  | 47.7                                  | 49.8                                  | 4.6                         |

Source: ABS 2018, Customised report, Census of Population and Housing, Australia - Estimating Homelessness, 2016 (cat. no. 2049.0)

Remoteness Area classification is based on the 2011 ASGS. The total for Australia is based on the 2016 ASGS.

Data based on place of enumeration.

#### Homelessness across major urban areas

- In 2016, Greater Darwin recorded the greatest rate of homelessness among the major urban areas, with a rate of 119.6 homeless per 10,000 people. The lowest rate of 24.2 homeless per 10,000 people was recorded in the Sunshine Coast.
- Homelessness increased across most major urban areas between 2006 and 2016. The highest increase was recorded in Greater Sydney, with an increase of 22.7 homeless per 10,000 people. The largest decline was recorded in Greater Darwin with a decline of 21.0 homeless per 10,000 people.

<sup>18</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

Table P 1.3.1.b Homelessness by major urban area

| Major Urban Area         | 2006<br>rate per 10,000<br>population | 2011<br>rate per 10,000<br>population | 2016<br>rate per 10,000<br>population | 2006-2016<br>change in rate |
|--------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------|
| Greater Sydney           | 37.5                                  | 45.1                                  | 60.2                                  | 22.7                        |
| Greater Melbourne        | 37.8                                  | 45.6                                  | 46.1                                  | 8.3                         |
| Greater Brisbane         | 35.5                                  | 34.2                                  | 41.5                                  | 6.0                         |
| Greater Perth            | 26.6                                  | 27.7                                  | 27.7                                  | 1.1                         |
| Greater Adelaide         | 32.9                                  | 33.6                                  | 36.1                                  | 3.2                         |
| Gold Coast - Tweed Heads | 26.6                                  | 26.3                                  | 31.8                                  | 5.2                         |
| Newcastle - Maitland     | 22.2                                  | 29.2                                  | 28.9                                  | 6.7                         |
| Canberra - Queanbeyan    | 28.6                                  | 47.2                                  | 38.8                                  | 10.2                        |
| Sunshine Coast           | 27.6                                  | 24.5                                  | 24.2                                  | -3.4                        |
| Wollongong               | 21.9                                  | 35.6                                  | 35.5                                  | 13.6                        |
| Geelong                  | 21.3                                  | 29.4                                  | 31.7                                  | 10.4                        |
| Greater Hobart           | 22.4                                  | 35.0                                  | 38.6                                  | 16.2                        |
| Townsville               | 62.6                                  | 52.8                                  | 43.7                                  | -18.9                       |
| Cairns                   | 75.7                                  | 61.3                                  | 85.0                                  | 9.3                         |
| Toowoomba                | 34.0                                  | 34.9                                  | 33.0                                  | -1.0                        |
| Greater Darwin           | 140.6                                 | 99.6                                  | 119.6                                 | -21.0                       |
| Ballarat                 | 37.0                                  | 43.4                                  | 41.1                                  | 4.1                         |
| Bendigo                  | 27.4                                  | 33.2                                  | 28.5                                  | 1.1                         |
| Albury - Wodonga         | 42.2                                  | 39.3                                  | 34.1                                  | -8.1                        |
| Launceston               | 26.8                                  | 29.3                                  | 32.9                                  | 6.1                         |

Source: ABS 2018, Customised report, Census of Population and Housing, Australia - Estimating Homelessness, 2016 (cat. no. 2049.0)  
Geographies are based on the 2016 ASGS.

The major urban areas of Sydney, Melbourne, Brisbane, Perth, Adelaide, Hobart and Darwin are based on Greater Capital City Statistical Areas. All other major urban areas are based on Significant Urban Areas.

Data based on place of enumeration.

### Homelessness across sub-state regions

- In 2016, the homelessness rate for Australian capital cities was 47.2 homeless per 10,000 persons and for the Australian rest of states was 54.9 homeless per 10,000 people. Between 2006 and 2016, the Australian capital cities recorded an increase in homelessness of 11.1 per 10,000 people, while the rest of state areas recorded a decline of 7.0 per 10,000 people.
- In 2016, the lowest homelessness rate at the Statistical Area Level 4 scale was recorded in Sydney - Sutherland with a rate of 12.4 homeless per 10,000 people. This was followed by Moreton Bay - South with a rate of 14.9 homeless per 10,000. The highest homelessness rate among the Statistical Area Level 4 areas was recorded in Northern Territory - Outback (1,166.4 homeless per 10,000 people), driven by high rates in East Arnhem and Daly - Tiwi - West Arnhem.
- Between 2006 and 2016, Northern Territory - Outback recorded the largest decline in rates of homelessness at the Statistical Area Level 4 scale, with a decline of 271.6 homeless per 10,000 people. This decline was driven by declines in Daly - Tiwi - West Arnhem and Alice Springs. The greatest increase among the Statistical Area Level 4 areas was recorded in Sydney - City and Inner South with an increase of 64.0 homeless per 10,000.

Table P 1.3.1.c Homelessness by sub-state region

| Sub-state Region                       | 2006<br>rate per 10,000<br>population | 2011<br>rate per 10,000<br>population | 2016<br>rate per 10,000<br>population | 2006-2016<br>change in rate |
|--|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------|
| <b>New South Wales</b>                 | <b>34.0</b>                           | <b>39.9</b>                           | <b>50.5</b>                           | <b>16.5</b>                 |
| <b>Greater Sydney</b>                  | <b>37.5</b>                           | <b>45.1</b>                           | <b>60.2</b>                           | <b>22.7</b>                 |
| Central Coast                          | 18.8                                  | 24.8                                  | 31.9                                  | 13.1                        |
| Sydney - Baulkham Hills and Hawkesbury | 10.9                                  | 11.4                                  | 17.0                                  | 6.1                         |
| Sydney - Blacktown                     | 30.4                                  | 46.3                                  | 45.9                                  | 15.5                        |
| Sydney - City and Inner South          | 122.0                                 | 149.7                                 | 186.0                                 | 64.0                        |
| Sydney - Eastern Suburbs               | 50.7                                  | 48.5                                  | 55.7                                  | 5.0                         |
| Sydney - Inner South West              | 32.8                                  | 43.2                                  | 65.1                                  | 32.3                        |
| Sydney - Inner West                    | 58.8                                  | 73.1                                  | 88.6                                  | 29.8                        |
| Sydney - North Sydney and Hornsby      | 22.5                                  | 22.1                                  | 25.7                                  | 3.2                         |
| Sydney - Northern Beaches              | 18.4                                  | 15.8                                  | 24.3                                  | 5.9                         |
| Sydney - Outer South West              | 21.8                                  | 32.9                                  | 40.1                                  | 18.3                        |
| Sydney - Outer West and Blue Mountains | 21.4                                  | 34.9                                  | 40.1                                  | 18.7                        |
| Sydney - Parramatta                    | 65.3                                  | 54.1                                  | 96.7                                  | 31.4                        |
| Sydney - Ryde                          | 19.0                                  | 18.6                                  | 26.7                                  | 7.7                         |
| Sydney - South West                    | 40.4                                  | 58.4                                  | 75.8                                  | 35.4                        |
| Sydney - Sutherland                    | 11.0                                  | 15.3                                  | 12.4                                  | 1.4                         |
| <b>Rest of New South Wales</b>         | <b>28.1</b>                           | <b>30.8</b>                           | <b>32.8</b>                           | <b>4.7</b>                  |
| Capital Region                         | 30.2                                  | 24.2                                  | 28.5                                  | -1.7                        |
| Central West                           | 22.1                                  | 22.2                                  | 22.3                                  | 0.2                         |
| Coffs Harbour - Grafton                | 28.6                                  | 39.1                                  | 44.2                                  | 15.6                        |
| Far West and Orana                     | 55.6                                  | 33.5                                  | 43.1                                  | -12.5                       |
| Hunter Valley exc Newcastle            | 17.0                                  | 20.3                                  | 20.6                                  | 3.6                         |
| Illawarra                              | 20.5                                  | 35.7                                  | 34.9                                  | 14.4                        |
| Mid North Coast                        | 26.9                                  | 37.1                                  | 32.1                                  | 5.2                         |
| Murray                                 | 26.6                                  | 20.9                                  | 20.0                                  | -6.6                        |
| New England and North West             | 36.4                                  | 34.4                                  | 42.6                                  | 6.2                         |
| Newcastle and Lake Macquarie           | 24.4                                  | 31.5                                  | 34.1                                  | 9.7                         |
| Richmond - Tweed                       | 46.8                                  | 48.0                                  | 52.1                                  | 5.3                         |
| Riverina                               | 21.3                                  | 24.3                                  | 25.0                                  | 3.7                         |
| Southern Highlands and Shoalhaven      | 20.7                                  | 22.3                                  | 25.0                                  | 4.3                         |
| <b>Victoria</b>                        | <b>35.7</b>                           | <b>41.9</b>                           | <b>42.3</b>                           | <b>6.6</b>                  |
| <b>Greater Melbourne</b>               | <b>37.8</b>                           | <b>45.6</b>                           | <b>46.1</b>                           | <b>8.3</b>                  |
| Melbourne - Inner                      | 87.2                                  | 87.5                                  | 79.5                                  | -7.7                        |
| Melbourne - Inner East                 | 23.2                                  | 32.8                                  | 33.1                                  | 9.9                         |
| Melbourne - Inner South                | 27.7                                  | 30.3                                  | 30.9                                  | 3.2                         |
| Melbourne - North East                 | 29.7                                  | 40.8                                  | 36.1                                  | 6.4                         |
| Melbourne - North West                 | 32.9                                  | 42.3                                  | 39.7                                  | 6.8                         |
| Melbourne - Outer East                 | 22.7                                  | 26.2                                  | 25.8                                  | 3.1                         |
| Melbourne - South East                 | 39.0                                  | 53.7                                  | 58.2                                  | 19.2                        |
| Melbourne - West                       | 37.3                                  | 45.4                                  | 50.1                                  | 12.8                        |
| Mornington Peninsula                   | 22.2                                  | 28.0                                  | 29.9                                  | 7.7                         |
| <b>Rest of Victoria</b>                | <b>29.5</b>                           | <b>31.1</b>                           | <b>30.4</b>                           | <b>0.9</b>                  |
| Ballarat                               | 33.7                                  | 36.0                                  | 34.2                                  | 0.5                         |
| Bendigo                                | 26.5                                  | 31.7                                  | 29.1                                  | 2.6                         |

(continued)

## Homelessness by sub-state region (continued)

| <i>Sub-state Region</i>              | <i>2006<br/>rate per 10,000<br/>population</i> | <i>2011<br/>rate per 10,000<br/>population</i> | <i>2016<br/>rate per 10,000<br/>population</i> | <i>2006-2016<br/>change in rate</i> |
|--------------------------------------|--|--|--|-------------------------------------|
| Geelong                              | 20.2   | 27.0   | 29.9   | 9.7                                 |
| Hume                                 | 34.1   | 31.8   | 28.8   | -5.3                                |
| Latrobe - Gippsland                  | 25.8   | 25.9   | 26.0   | 0.2                                 |
| North West                           | 38.5   | 40.5   | 29.9   | -8.6                                |
| Shepparton                           | 38.5   | 39.1   | 42.3   | 3.8                                 |
| Warrnambool and South West           | 25.6   | 23.1   | 27.9   | 2.3                                 |
| <b>Queensland</b>                    | <b>47.5</b>                                    | <b>43.4</b>                                    | <b>45.6</b>                                    | <b>-1.9</b>                         |
| <b>Greater Brisbane</b>              | <b>35.5</b>                                    | <b>34.2</b>                                    | <b>41.5</b>                                    | <b>6.0</b>                          |
| Brisbane - East                      | 21.9   | 15.7   | 20.1   | -1.8                                |
| Brisbane - North                     | 27.7   | 30.4   | 25.7   | -2.0                                |
| Brisbane - South                     | 30.0   | 38.7   | 45.2   | 15.2                                |
| Brisbane - West                      | 12.4   | 13.1   | 17.1   | 4.7                                 |
| Brisbane Inner City                  | 98.7   | 74.0   | 114.1  | 15.4                                |
| Ipswich                              | 34.2   | 41.5   | 38.2   | 4.0                                 |
| Logan - Beaudesert                   | 29.4   | 37.1   | 39.2   | 9.8                                 |
| Moreton Bay - North                  | 34.0   | 24.4   | 38.1   | 4.1                                 |
| Moreton Bay - South                  | 20.2   | 13.8   | 14.9   | -5.3                                |
| <b>Rest of Queensland</b>            | <b>58.0</b>                                    | <b>51.5</b>                                    | <b>49.4</b>                                    | <b>-8.6</b>                         |
| Cairns                               | 90.9   | 83.0   | 91.1   | 0.2                                 |
| Darling Downs - Maranoa              | 32.3   | 20.7   | 27.0   | -5.3                                |
| Central Queensland                   | 56.5   | 60.6   | 40.8   | -15.7                               |
| Gold Coast                           | 26.2   | 26.1   | 29.4   | 3.2                                 |
| Mackay - Isaac - Whitsunday          | 72.3   | 47.6   | 38.3   | -34.0                               |
| Queensland - Outback                 | 274.3  | 219.3  | 206.6  | -67.7                               |
| <i>Far North</i>                     | 432.9  | 305.9  | 304.1  | -128.8                              |
| <i>Outback - North</i>               | 287.2  | 238.1  | 208.0  | -79.2                               |
| <i>Outback - South</i>               | 35.5   | 66.1   | 32.9   | -2.6                                |
| Sunshine Coast                       | 28.8   | 23.8   | 25.1   | -3.7                                |
| Toowoomba                            | 34.8   | 37.1   | 35.7   | 0.9                                 |
| Townsville                           | 72.9   | 71.0   | 63.5   | -9.4                                |
| Wide Bay                             | 50.4   | 45.8   | 52.0   | 1.6                                 |
| <b>South Australia</b>               | <b>37.3</b>                                    | <b>36.8</b>                                    | <b>37.4</b>                                    | <b>0.1</b>                          |
| <b>Greater Adelaide</b>              | <b>32.9</b>                                    | <b>33.6</b>                                    | <b>36.1</b>                                    | <b>3.2</b>                          |
| Adelaide - Central and Hills         | 45.6   | 35.4   | 37.1   | -8.5                                |
| Adelaide - North                     | 28.6   | 37.3   | 38.7   | 10.1                                |
| Adelaide - South                     | 22.7   | 24.3   | 28.2   | 5.5                                 |
| Adelaide - West                      | 40.0   | 39.4   | 42.1   | 2.1                                 |
| <b>Rest of South Australia</b>       | <b>51.6</b>                                    | <b>47.5</b>                                    | <b>41.6</b>                                    | <b>-10.0</b>                        |
| Barossa - Yorke - Mid North          | 19.3   | 20.7   | 21.7   | 2.4                                 |
| South Australia - Outback            | 123.8  | 112.6  | 79.3   | -44.5                               |
| <i>Eyre Peninsula and South West</i> | 44.4   | 53.9   | 41.6   | -2.8                                |
| <i>Outback - North and East</i>      | 268.4  | 214.5  | 153.1  | -115.3                              |
| South Australia - South East         | 33.9   | 30.1   | 35.2   | 1.3                                 |
| <b>Western Australia</b>             | <b>42.1</b>                                    | <b>40.9</b>                                    | <b>36.3</b>                                    | <b>-5.8</b>                         |
| <b>Greater Perth</b>                 | <b>26.6</b>                                    | <b>27.7</b>                                    | <b>27.7</b>                                    | <b>1.1</b>                          |

(continued)

## Homelessness by sub-state region (continued)

| Sub-state Region                    | 2006<br>rate per 10,000<br>population | 2011<br>rate per 10,000<br>population | 2016<br>rate per 10,000<br>population | 2006-2016<br>change in rate |
|-------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------------------------|
| Mandurah                            | 19.4                                  | 25.9                                  | 27.4                                  | 8.0                         |
| Perth - Inner                       | 58.9                                  | 51.6                                  | 54.6                                  | -4.3                        |
| Perth - North East                  | 24.5                                  | 23.7                                  | 29.6                                  | 5.1                         |
| Perth - North West                  | 18.2                                  | 18.5                                  | 18.2                                  | 0.0                         |
| Perth - South East                  | 23.3                                  | 29.7                                  | 30.1                                  | 6.8                         |
| Perth - South West                  | 29.5                                  | 29.6                                  | 24.7                                  | -4.8                        |
| <b>Rest of Western Australia</b>    | <b>91.4</b>                           | <b>82.3</b>                           | <b>65.1</b>                           | <b>-26.3</b>                |
| Bunbury                             | 24.9                                  | 24.2                                  | 25.8                                  | 0.9                         |
| Western Australia - Wheat Belt      | 31.9                                  | 31.5                                  | 31.7                                  | -0.2                        |
| Western Australia - Outback (North) | 273.1                                 | 202.2                                 | 142.3                                 | -130.8                      |
| <i>Kimberley</i>                    | 457.2                                 | 373.9                                 | 259.3                                 | -197.9                      |
| <i>East Pilbara</i>                 | 165.8                                 | 170.5                                 | 133.0                                 | -32.8                       |
| <i>West Pilbara</i>                 | 93.3                                  | 40.0                                  | 39.9                                  | -53.4                       |
| Western Australia - Outback (South) | 86.8                                  | 82.6                                  | 73.2                                  | -13.6                       |
| <i>Esperance</i>                    | 31.0                                  | 30.3                                  | 27.6                                  | -3.4                        |
| <i>Gascoyne</i>                     | 83.5                                  | 87.2                                  | 77.9                                  | -5.6                        |
| <i>Goldfields</i>                   | 131.4                                 | 131.6                                 | 108.4                                 | -23.0                       |
| <i>Mid West</i>                     | 68.0                                  | 55.3                                  | 57.0                                  | -11.0                       |
| <b>Tasmania</b>                     | <b>24.5</b>                           | <b>31.5</b>                           | <b>32.3</b>                           | <b>7.8</b>                  |
| <b>Greater Hobart</b>               | <b>22.4</b>                           | <b>35.0</b>                           | <b>38.6</b>                           | <b>16.2</b>                 |
| <b>Rest of Tasmania</b>             | <b>25.9</b>                           | <b>28.9</b>                           | <b>27.3</b>                           | <b>1.4</b>                  |
| Launceston and North East           | 22.4                                  | 27.1                                  | 27.3                                  | 4.9                         |
| South East                          | 23.7                                  | 25.9                                  | 17.6                                  | -6.1                        |
| West and North West                 | 31.1                                  | 32.5                                  | 30.5                                  | -0.6                        |
| <b>Northern Territory</b>           | <b>728.6</b>                          | <b>673.5</b>                          | <b>549.3</b>                          | <b>-179.3</b>               |
| <b>Greater Darwin</b>               | <b>140.6</b>                          | <b>99.6</b>                           | <b>119.6</b>                          | <b>-21.0</b>                |
| <b>Rest of Northern Territory</b>   | <b>1,438.0</b>                        | <b>1,401.6</b>                        | <b>1,166.4</b>                        | <b>-271.6</b>               |
| Northern Territory - Outback        | 1,438.0                               | 1,401.6                               | 1,166.4                               | -271.6                      |
| <i>Alice Springs</i>                | 838.1                                 | 671.3                                 | 515.4                                 | -322.7                      |
| <i>Barkly</i>                       | 1,056.4                               | 1,289.9                               | 973.3                                 | -83.1                       |
| <i>Daly - Tiwi - West Arnhem</i>    | 2,367.9                               | 1,983.5                               | 1,432.8                               | -935.1                      |
| <i>East Arnhem</i>                  | 2,574.5                               | 2,877.5                               | 2,968.0                               | 393.5                       |
| <i>Katherine</i>                    | 1,163.0                               | 1,283.7                               | 1,093.5                               | -69.5                       |
| <b>Australian Capital Territory</b> | <b>29.5</b>                           | <b>48.7</b>                           | <b>40.4</b>                           | <b>10.9</b>                 |
| <b>Australian Capital Cities</b>    | <b>36.1</b>                           | <b>40.9</b>                           | <b>47.2</b>                           | <b>11.1</b>                 |
| <b>Australian Rest of State</b>     | <b>61.9</b>                           | <b>60.3</b>                           | <b>54.9</b>                           | <b>-7.0</b>                 |

Source: ABS 2018, Customised report, Census of Population and Housing, Australia – Estimating Homelessness, 2016 (cat. no. 2049.0)

Sub-state regions are SA4 (2016 ASGS), italicised regions are SA3 (2016 ASGS).

Data based on place of enumeration.



## P 1.3.2 Overcrowded conditions

The proportion of households living in overcrowded conditions is an indicator of whether Australians have access to housing options that are appropriate to their circumstances. Living in overcrowded conditions affects people's ability to have privacy and to control space in their homes. It is therefore likely to have a variety of effects on both health and wellbeing.<sup>19</sup>

- The proportion of households living in overcrowded conditions in Australia increased from 3.2 per cent in 2006 to 4.0 per cent in 2016.

### Overcrowded conditions across remoteness classes

- Overcrowding remained relatively steady across all remoteness classes, with only marginal increases and decreases observed.
- Overcrowded conditions increased from 2006 to 2016 in major cities and very remote Australia. The largest increase was seen in major cities, where the proportion of households living in overcrowded conditions increased from 3.4 per cent in 2006 to 4.5 per cent in 2016.
- Overcrowding decreased marginally in inner regional, outer regional and remote Australia. The largest decrease was seen in remote Australia, with a decrease from 4.6 per cent to 4.2 per cent between 2006 and 2016.

Table P 1.3.2.a Houses with overcrowded conditions by remoteness class

| Remoteness Class | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|------------------|------------------|------------------|------------------|---|
| Major Cities     | 3.4              | 3.9              | 4.5              | 1.1   |
| Inner Regional   | 2.4              | 2.3              | 2.3              | -0.1  |
| Outer Regional   | 3.0              | 2.9              | 2.9              | -0.1  |
| Remote           | 4.6              | 4.7              | 4.2              | -0.4  |
| Very Remote      | 13.9             | 14.1             | 14.0             | 0.1   |
| AUSTRALIA        | 3.2              | 3.6              | 4.0              | 0.8   |

Source: ABS 2018, Customised report, Census of Population and Housing, Australia

Geography is based on the 2016 ASGS.

Data based on place of enumeration.

For the purposes of this indicator overcrowded conditions are defined as dwellings requiring one or more bedrooms.

Dwellings requiring one or more bedrooms is determined using criteria based on the Canadian National Occupancy Standard, which takes into account a series of household demographics, such as the number of usual residents, their relationship to each other, age and sex.

### Overcrowded conditions across major urban areas

- Overcrowded conditions increased across most major urban areas, with the biggest increase observed in Greater Sydney.
- Townsville, Toowoomba and Ballarat were the only major urban areas which had a decrease in overcrowded conditions, with Townsville experiencing the largest decrease of 0.4 percentage points between 2006 and 2016.
- The rates of overcrowding in Bendigo, the Sunshine Coast, Newcastle - Maitland, and Albury - Wodonga remained steady over the decade.

<sup>19</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

Table P 1.3.2.b Houses with overcrowded conditions by major urban area

| Major Urban Area         | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--------------------------|------------------|------------------|------------------|---|
| Greater Sydney           | 5.1              | 6.0              | 7.0              | 1.9   |
| Greater Melbourne        | 3.5              | 4.0              | 4.5              | 1.0   |
| Greater Brisbane         | 2.7              | 3.0              | 3.3              | 0.6   |
| Greater Perth            | 1.6              | 2.2              | 2.4              | 0.8   |
| Greater Adelaide         | 2.3              | 2.7              | 3.0              | 0.7   |
| Gold Coast - Tweed Heads | 2.5              | 2.8              | 3.1              | 0.6   |
| Newcastle - Maitland     | 2.7              | 2.8              | 2.7              | 0.0   |
| Canberra - Queanbeyan    | 1.9              | 2.4              | 2.8              | 0.9   |
| Sunshine Coast           | 2.0              | 1.8              | 2.0              | 0.0   |
| Wollongong               | 2.7              | 3.1              | 3.5              | 0.8   |
| Geelong                  | 2.1              | 2.2              | 2.2              | 0.1   |
| Greater Hobart           | 2.6              | 2.6              | 2.7              | 0.1   |
| Townsville               | 3.0              | 3.0              | 2.6              | -0.4  |
| Cairns                   | 3.7              | 3.8              | 4.0              | 0.3   |
| Greater Darwin           | 5.5              | 6.2              | 6.4              | 0.9   |
| Toowoomba                | 2.1              | 2.0              | 2.0              | -0.1  |
| Ballarat                 | 2.2              | 2.1              | 1.9              | -0.3  |
| Bendigo                  | 2.2              | 2.3              | 2.2              | 0.0   |
| Albury - Wodonga         | 1.9              | 1.8              | 1.9              | 0.0   |
| Launceston               | 2.4              | 2.5              | 2.5              | 0.1   |

Source: ABS 2017, Customised report, Census of Population and Housing, Australia

The major urban areas of Sydney, Melbourne, Brisbane, Adelaide, Perth, Hobart and Darwin are based on the 2016 ASGS Greater Capital City Statistical Area (GCCSA) classification. All other major urban areas are based on the 2016 ASGS Significant Urban Area (SUA) classification.

Data based on place of enumeration.

For the purposes of this indicator overcrowded conditions are defined as dwellings requiring one or more bedrooms.

Dwellings requiring one or more bedrooms is determined using criteria based on the Canadian National Occupancy Standard, which takes into account a series of household demographics, such as the number of usual residents, their relationship to each other, age and sex.

### Overcrowded conditions across sub-state regions

- Overcrowded conditions increased across most sub-state regions across Australia from 2006 to 2016.
- The largest increases across the sub-state regions were experienced in areas located in Greater Sydney. The largest increase occurred in Sydney - Parramatta (3.7 percentage points) from 8.4 per cent in 2006 to 12.1 per cent in 2016.
- The largest decrease across the Statistical Area Level 4 regions was in Western Australia - Outback (North) with a decline of 2.3 percentage points, driven by a decline in the Kimberley (3.9 percentage points).

Table P 1.3.2.c Houses with overcrowded conditions by sub-state region

| Sub-State Region                       | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--|------------------|------------------|------------------|---|
| <b>New South Wales</b>                 | <b>4.1</b>       | <b>4.7</b>       | <b>5.4</b>       | <b>1.3</b>                                    |
| <b>Greater Sydney</b>                  | <b>5.1</b>       | <b>6.0</b>       | <b>7.0</b>       | <b>1.9</b>                                    |
| Central Coast                          | 2.2              | 2.5              | 2.7              | 0.5   |
| Sydney - Baulkham Hills and Hawkesbury | 1.7              | 1.9              | 2.2              | 0.5   |
| Sydney - Blacktown                     | 5.5              | 6.8              | 7.3              | 1.8   |
| Sydney - City and Inner South          | 7.6              | 8.7              | 10.6             | 3.0   |
| Sydney - Eastern Suburbs               | 4.4              | 5.2              | 6.2              | 1.8   |
| Sydney - Inner South West              | 8.4              | 9.7              | 11.4             | 3.0   |
| Sydney - Inner West                    | 5.9              | 6.8              | 8.6              | 2.7   |
| Sydney - North Sydney and Hornsby      | 2.9              | 3.6              | 4.5              | 1.6   |
| Sydney - Northern Beaches              | 2.8              | 3.3              | 3.8              | 1.0   |
| Sydney - Outer South West              | 3.7              | 4.3              | 4.6              | 0.9   |
| Sydney - Outer West and Blue Mountains | 2.8              | 3.2              | 3.3              | 0.5   |
| Sydney - Parramatta                    | 8.4              | 9.9              | 12.1             | 3.7   |
| Sydney - Ryde                          | 4.1              | 4.8              | 6.3              | 2.2   |
| Sydney - South West                    | 8.4              | 9.7              | 10.3             | 1.9   |
| Sydney - Sutherland                    | 2.3              | 2.7              | 2.7              | 0.4   |
| <b>Rest of New South Wales</b>         | <b>2.5</b>       | <b>2.6</b>       | <b>2.6</b>       | <b>0.1</b>                                    |
| Capital Region                         | 2.3              | 2.3              | 2.4              | 0.1   |
| Central West                           | 2.3              | 2.3              | 2.2              | -0.1  |
| Coffs Harbour - Grafton                | 2.8              | 2.9              | 3.1              | 0.3   |
| Far West and Orana                     | 3.2              | 3.0              | 3.0              | -0.2  |
| Hunter Valley exc Newcastle            | 2.5              | 2.6              | 2.5              | 0.0   |
| Illawarra                              | 2.7              | 3.1              | 3.5              | 0.8   |
| Mid North Coast                        | 2.4              | 2.5              | 2.6              | 0.2   |
| Murray                                 | 1.9              | 1.7              | 2.0              | 0.1   |
| New England and North West             | 2.7              | 2.6              | 2.6              | -0.1  |
| Newcastle and Lake Macquarie           | 2.6              | 2.8              | 2.7              | 0.1   |
| Richmond - Tweed                       | 3.1              | 2.8              | 2.8              | -0.3  |
| Riverina                               | 2.3              | 2.3              | 2.6              | 0.3   |
| Southern Highlands and Shoalhaven      | 1.8              | 1.9              | 2.0              | 0.2   |
| <b>Victoria</b>                        | <b>3.2</b>       | <b>3.5</b>       | <b>3.9</b>       | <b>0.7</b>                                    |
| <b>Greater Melbourne</b>               | <b>3.5</b>       | <b>4.0</b>       | <b>4.5</b>       | <b>1.0</b>                                    |
| Melbourne - Inner                      | 4.4              | 5.1              | 6.0              | 1.6   |
| Melbourne - Inner East                 | 2.5              | 2.8              | 3.2              | 0.7   |
| Melbourne - Inner South                | 2.4              | 2.8              | 2.8              | 0.4   |
| Melbourne - North East                 | 3.9              | 3.9              | 4.0              | 0.1   |
| Melbourne - North West                 | 4.5              | 5.0              | 5.6              | 1.1   |
| Melbourne - Outer East                 | 2.2              | 2.4              | 2.5              | 0.3   |
| Melbourne - South East                 | 4.3              | 5.1              | 5.6              | 1.3   |
| Melbourne - West                       | 4.8              | 5.1              | 5.6              | 0.8   |
| Mornington Peninsula                   | 1.9              | 2.0              | 2.0              | 0.1   |
| <b>Rest of Victoria</b>                | <b>2.2</b>       | <b>2.2</b>       | <b>2.1</b>       | <b>-0.1</b>                                   |
| Ballarat                               | 2.3              | 2.3              | 2.1              | -0.2  |
| Bendigo                                | 2.3              | 2.3              | 2.1              | -0.2  |

(continued)

*Houses with overcrowded conditions by sub-state region (continued)*

| <b>Sub-State Region</b>              | <b>2006<br/>per cent</b> | <b>2011<br/>per cent</b> | <b>2016<br/>per cent</b> | <b>2006 - 2016<br/>change<br/>percentage<br/>points</b> |
|--------------------------------------|--------------------------|--------------------------|--------------------------|---|
| Geelong                              | 2.1                      | 2.1                      | 2.1                      | 0.0   |
| Hume                                 | 2.1                      | 1.9                      | 1.9                      | -0.2  |
| Latrobe - Gippsland                  | 2.1                      | 2.0                      | 1.9                      | -0.2  |
| North West                           | 2.4                      | 2.4                      | 2.4                      | 0.0   |
| Shepparton                           | 2.6                      | 2.8                      | 2.9                      | 0.3   |
| Warrnambool and South West           | 2.0                      | 2.0                      | 2.0                      | 0.0   |
| <b>Queensland</b>                    | <b>2.9</b>               | <b>3.1</b>               | <b>3.1</b>               | <b>0.2</b>  |
| <b>Greater Brisbane</b>              | <b>2.7</b>               | <b>3.0</b>               | <b>3.3</b>               | <b>0.6</b>  |
| Brisbane - East                      | 1.9                      | 2.0                      | 1.9                      | 0.0   |
| Brisbane - North                     | 2.2                      | 2.5                      | 2.7                      | 0.5   |
| Brisbane - South                     | 2.8                      | 3.5                      | 3.9                      | 1.1   |
| Brisbane - West                      | 1.9                      | 2.2                      | 2.4                      | 0.5   |
| Brisbane Inner City                  | 3.1                      | 3.7                      | 4.4                      | 1.3   |
| Ipswich                              | 3.6                      | 3.8                      | 3.9                      | 0.3   |
| Logan - Beaudesert                   | 3.5                      | 4.0                      | 4.5                      | 1.0   |
| Moreton Bay - North                  | 2.5                      | 2.4                      | 2.7                      | 0.2   |
| Moreton Bay - South                  | 1.9                      | 1.7                      | 2.0                      | 0.1   |
| <b>Rest of Queensland</b>            | <b>3.2</b>               | <b>3.1</b>               | <b>3.0</b>               | <b>-0.2</b>   |
| Cairns                               | 4.4                      | 4.2                      | 4.3                      | -0.1  |
| Darling Downs - Maranoa              | 2.7                      | 2.6                      | 2.5                      | -0.2  |
| Central Queensland                   | 3.5                      | 3.3                      | 2.6                      | -0.9  |
| Gold Coast                           | 2.5                      | 2.8                      | 3.1                      | 0.6   |
| Mackay - Isaac - Whitsunday          | 3.7                      | 3.4                      | 2.4                      | -1.3  |
| Queensland - Outback                 | 8.7                      | 8.8                      | 8.4                      | -0.3  |
| <i>Far North</i>                     | 15.5                     | 15.0                     | 14.3                     | -1.2  |
| <i>Outback - North</i>               | 7.5                      | 7.9                      | 6.9                      | -0.6  |
| <i>Outback - South</i>               | 3.0                      | 3.3                      | 2.5                      | -0.5  |
| Sunshine Coast                       | 2.2                      | 1.9                      | 2.1                      | -0.1  |
| Toowoomba                            | 2.2                      | 2.2                      | 2.3                      | 0.1   |
| Townsville                           | 3.3                      | 3.3                      | 2.8                      | -0.5  |
| Wide Bay                             | 3.0                      | 2.8                      | 2.6                      | -0.4  |
| <b>South Australia</b>               | <b>2.3</b>               | <b>2.5</b>               | <b>2.7</b>               | <b>0.4</b>  |
| <b>Greater Adelaide</b>              | <b>2.3</b>               | <b>2.7</b>               | <b>3.0</b>               | <b>0.7</b>  |
| Adelaide - Central and Hills         | 2.1                      | 2.5                      | 2.6                      | 0.5   |
| Adelaide - North                     | 2.6                      | 3.1                      | 3.7                      | 1.1   |
| Adelaide - South                     | 1.7                      | 1.9                      | 2.0                      | 0.3   |
| Adelaide - West                      | 3.1                      | 3.5                      | 3.7                      | 0.6   |
| <b>Rest of South Australia</b>       | <b>2.1</b>               | <b>2.0</b>               | <b>2.0</b>               | <b>-0.1</b>   |
| Barossa - Yorke - Mid North          | 1.7                      | 1.7                      | 1.7                      | 0.0   |
| South Australia - Outback            | 3.1                      | 3.0                      | 2.7                      | -0.4  |
| <i>Eyre Peninsula and South West</i> | 2.2                      | 2.3                      | 1.9                      | -0.3  |
| <i>Outback - North and East</i>      | 4.9                      | 4.6                      | 4.6                      | -0.3  |
| South Australia - South East         | 2.0                      | 1.8                      | 1.9                      | -0.1  |
| <b>Western Australia</b>             | <b>1.9</b>               | <b>2.4</b>               | <b>2.5</b>               | <b>0.6</b>  |
| <b>Greater Perth</b>                 | <b>1.6</b>               | <b>2.2</b>               | <b>2.4</b>               | <b>0.8</b>  |

(continued)

## Houses with overcrowded conditions by sub-state region (continued)

| Sub-State Region                    | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|-------------------------------------|------------------|------------------|------------------|---|
| Mandurah                            | 1.2              | 1.4              | 1.4              | 0.2   |
| Perth - Inner                       | 2.1              | 2.8              | 3.2              | 1.1   |
| Perth - North East                  | 1.8              | 2.4              | 2.6              | 0.8   |
| Perth - North West                  | 1.4              | 2.0              | 2.1              | 0.7   |
| Perth - South East                  | 1.9              | 2.7              | 3.1              | 1.2   |
| Perth - South West                  | 1.3              | 1.6              | 1.8              | 0.5   |
| <b>Rest of Western Australia</b>    | <b>3.1</b>       | <b>3.2</b>       | <b>2.9</b>       | <b>-0.2</b>                                   |
| Bunbury                             | 1.7              | 1.6              | 1.7              | 0.0   |
| Western Australia - Wheat Belt      | 2.0              | 2.1              | 2.3              | 0.3   |
| Western Australia - Outback (North) | 9.6              | 9.8              | 7.3              | -2.3  |
| <i>Kimberley</i>                    | 15.5             | 14.6             | 11.6             | -3.9  |
| <i>East Pilbara</i>                 | 6.5              | 7.6              | 5.4              | -1.1  |
| <i>West Pilbara</i>                 | 5.0              | 5.2              | 3.5              | -1.5  |
| Western Australia - Outback (South) | 3.3              | 3.4              | 3.1              | -0.2  |
| <i>Esperance</i>                    | 2.5              | 1.6              | 1.8              | -0.7  |
| <i>Gascoyne</i>                     | 5.4              | 5.7              | 5.2              | -0.2  |
| <i>Goldfields</i>                   | 3.7              | 4.5              | 4.1              | 0.4   |
| <i>Mid West</i>                     | 2.8              | 2.9              | 2.4              | -0.4  |
| <b>Tasmania</b>                     | <b>2.5</b>       | <b>2.5</b>       | <b>2.5</b>       | <b>0.0</b>                                    |
| <b>Greater Hobart</b>               | <b>2.6</b>       | <b>2.6</b>       | <b>2.7</b>       | <b>0.1</b>                                    |
| <b>Rest of Tasmania</b>             | <b>2.4</b>       | <b>2.3</b>       | <b>2.3</b>       | <b>-0.1</b>                                   |
| Launceston and North East           | 2.4              | 2.3              | 2.3              | -0.1  |
| South East                          | 3.4              | 2.9              | 2.7              | -0.7  |
| West and North West                 | 2.2              | 2.1              | 2.1              | -0.1  |
| <b>Northern Territory</b>           | <b>10.7</b>      | <b>11.2</b>      | <b>11.1</b>      | <b>0.4</b>                                    |
| <b>Greater Darwin</b>               | <b>5.5</b>       | <b>6.2</b>       | <b>6.4</b>       | <b>0.9</b>                                    |
| <b>Rest of Northern Territory</b>   | <b>19.6</b>      | <b>19.9</b>      | <b>20.4</b>      | <b>0.8</b>                                    |
| Northern Territory - Outback        | 19.6             | 19.9             | 20.4             | 0.8   |
| <i>Alice Springs</i>                | 12.1             | 12.5             | 12.3             | 0.2   |
| <i>Barkly</i>                       | 21.1             | 25.1             | 21.8             | 0.7   |
| <i>Daly - Tiwi - West Arnhem</i>    | 30.8             | 32.0             | 31.9             | 1.1   |
| <i>East Arnhem</i>                  | 30.6             | 28.5             | 33.2             | 2.6   |
| <i>Katherine</i>                    | 23.8             | 21.0             | 22.2             | -1.6  |
| <b>Australian Capital Territory</b> | <b>1.9</b>       | <b>2.3</b>       | <b>2.8</b>       | <b>0.9</b>                                    |
| <b>Australian Capital Cities</b>    | <b>3.5</b>       | <b>4.1</b>       | <b>4.6</b>       | <b>1.1</b>                                    |
| <b>Australian Rest of States</b>    | <b>2.8</b>       | <b>2.8</b>       | <b>2.7</b>       | <b>-0.1</b>                                   |

Source: ABS 2017, Customised report, Census of Population and Housing, Australia

Sub-state regions are SA4 (2016 ASGS), italicised regions are SA3 (2016 ASGS).

Data based on place of enumeration.

For the purposes of this indicator overcrowded conditions are defined as dwellings requiring one or more bedrooms.

Dwellings requiring one or more bedrooms is determined using criteria based on the Canadian National Occupancy Standard, which takes into account a series of household demographics, such as the number of usual residents, their relationship to each other, age and sex.

### P 1.3.3 Households that own their own home

The proportion of households that own their home, with or without a mortgage, is an important indicator of progress because it captures a substantial group of those who have tenure in the housing market in Australia.

While renters also hold a form of tenure in the housing market, their tenure is less secure. Changes in tenure patterns over time – between ownership and renting for example – may reflect the opportunities Australians have to choose their housing and investment options.<sup>20</sup>

- The proportion of households that own their own home, with or without a mortgage, decreased across Australia by 2.7 percentage points from 69.8 per cent in 2006 to 67.1 per cent in 2016.

#### Households that own their own home across remoteness classes

- The rate of home ownership declined across all remoteness classes. The largest decrease was observed in remote Australia with a decline of 3.6 percentage points from 59.7 per cent in 2006 to 56.1 per cent in 2016.
- The smallest decline was recorded in very remote Australia, with a decline of 1.4 percentage points from 44.3 per cent in 2006 to 42.9 per cent in 2016.

Table P 1.3.3.a Households that own their own home (with or without a mortgage) by remoteness class

| Remoteness Class | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|------------------|------------------|------------------|------------------|---|
| Major Cities     | 69.3             | 68.0             | 66.2             | -3.1  |
| Inner Regional   | 73.3             | 71.9             | 71.6             | -1.7  |
| Outer Regional   | 70.0             | 68.4             | 68.0             | -2.0  |
| Remote           | 59.7             | 57.1             | 56.1             | -3.6  |
| Very Remote      | 44.3             | 43.8             | 42.9             | -1.4  |
| AUSTRALIA        | 69.8             | 68.5             | 67.1             | -2.7  |

Source: ABS 2018, Customised report, Census of Population and Housing, Australia

Geography is based on the 2016 ASGS.

Data based on place of enumeration.

Owner occupied dwellings.

Calculation excludes Not Stated category from the denominator.

#### Households that own their own home across major urban areas

- The rate of home ownership declined across all major urban areas with the exception of the Sunshine Coast, where home ownership increased by 1.2 percentage points from 66.2 per cent in 2006 to 67.4 per cent in 2016.
- The largest decline was observed in Greater Darwin, where the rate of home ownership fell by 5.1 percentage points, from 58.9 per cent in 2006 to 53.8 per cent in 2016. This was closely followed by Greater Melbourne where home ownership fell by 5.0 percentage points from 73.1 per cent in 2006 to 68.1 per cent in 2016.
- Only three major urban areas – Greater Perth, Wollongong and Cairns – experienced a decline of less than 1.0 percentage point between 2006 and 2016.

<sup>20</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

Table P 1.3.3.b Households that own their own home (with or without a mortgage)  
by major urban area

| Major Urban Area         | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--------------------------|------------------|------------------|------------------|---|
| Greater Sydney           | 66.8             | 66.6             | 63.9             | -2.9  |
| Greater Melbourne        | 73.1             | 71.1             | 68.1             | -5.0  |
| Greater Brisbane         | 67.5             | 65.3             | 63.6             | -3.9  |
| Greater Perth            | 72.3             | 70.4             | 71.4             | -0.9  |
| Greater Adelaide         | 71.4             | 69.5             | 68.6             | -2.8  |
| Gold Coast - Tweed Heads | 64.0             | 63.1             | 62.7             | -1.3  |
| Newcastle - Maitland     | 70.9             | 70.1             | 68.8             | -2.1  |
| Canberra - Queanbeyan    | 68.9             | 67.7             | 66.2             | -2.7  |
| Sunshine Coast           | 66.2             | 67.0             | 67.4             | 1.2   |
| Wollongong               | 70.1             | 69.5             | 69.3             | -0.8  |
| Geelong                  | 74.3             | 72.4             | 71.0             | -3.3  |
| Greater Hobart           | 72.4             | 70.9             | 69.7             | -2.7  |
| Townsville               | 62.0             | 59.3             | 58.0             | -4.0  |
| Cairns                   | 58.4             | 57.4             | 58.0             | -0.4  |
| Greater Darwin           | 58.9             | 56.5             | 53.8             | -5.1  |
| Toowoomba                | 68.2             | 66.6             | 65.0             | -3.2  |
| Ballarat                 | 70.5             | 68.6             | 66.5             | -4.0  |
| Bendigo                  | 70.5             | 69.3             | 67.6             | -2.9  |
| Albury - Wodonga         | 65.3             | 64.1             | 63.1             | -2.2  |
| Launceston               | 68.9             | 67.5             | 66.2             | -2.7  |

Source: ABS 2017, Customised report, Census of Population and Housing, Australia

The major urban areas of Sydney, Melbourne, Brisbane, Adelaide, Perth, Hobart and Darwin are based on the 2016 ASGS Greater Capital City Statistical Area (GCCSA) classification. All other major urban areas are based on the 2016 ASGS Significant Urban Area (SUA) classification.

Data based on place of enumeration.

Owner occupied dwellings.

Calculation excludes Not Stated category from the denominator.

### Households that own their own home across sub-state regions

- The rate of home ownership declined in a majority of sub-state regions across Australia from 2006 to 2016.
- At the Statistical Area Level 4 scale, the single largest decline was observed in Western Australia - Outback (North), with a fall of 10.5 percentage points from 42.3 per cent in 2006 to 31.8 per cent in 2016.
- For smaller areas within this region, there was a large variation in changes in the home ownership rate, ranging from declines of 3.3 percentage points to 23.3 percentage points.
- Very few regions experienced an increase in home ownership. The largest increase among the Statistical Area Level 4 regions was recorded in the Sunshine Coast, with a rise of 1.1 percentage points from 67.5 per cent in 2006 to 68.6 per cent in 2016. This was followed by Bunbury and Cairns rising 0.5 and 0.4 percentage points respectively. At the smaller regional scale, some outback areas of South Australia, the Northern Territory, Queensland and Western Australia also experienced small rises in the home ownership rate in this period.

Table P 1.3.3.c Households that own their own home (with or without a mortgage)  
by sub-state region

| Sub-State Region                       | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--|------------------|------------------|------------------|---|
| <b>New South Wales</b>                 | <b>68.5</b>      | <b>68.1</b>      | <b>66.2</b>      | <b>-2.3</b>                                   |
| <b>Greater Sydney</b>                  | <b>66.8</b>      | <b>66.6</b>      | <b>63.9</b>      | <b>-2.9</b>                                   |
| Central Coast                          | 71.8             | 70.8             | 70.8             | -1.0  |
| Sydney - Baulkham Hills and Hawkesbury | 84.1             | 84.2             | 81.9             | -2.2  |
| Sydney - Blacktown                     | 67.7             | 68.5             | 66.2             | -1.5  |
| Sydney - City and Inner South          | 43.5             | 44.1             | 40.4             | -3.1  |
| Sydney - Eastern Suburbs               | 54.2             | 53.9             | 52.6             | -1.6  |
| Sydney - Inner South West              | 67.1             | 67.2             | 62.8             | -4.3  |
| Sydney - Inner West                    | 60.9             | 61.4             | 58.0             | -2.9  |
| Sydney - North Sydney and Hornsby      | 68.1             | 68.2             | 66.1             | -2.0  |
| Sydney - Northern Beaches              | 72.0             | 71.9             | 71.7             | -0.3  |
| Sydney - Outer South West              | 71.8             | 72.9             | 71.1             | -0.7  |
| Sydney - Outer West and Blue Mountains | 73.2             | 73.3             | 71.3             | -1.9  |
| Sydney - Parramatta                    | 61.6             | 61.7             | 56.6             | -5.0  |
| Sydney - Ryde                          | 69.2             | 68.1             | 64.3             | -4.9  |
| Sydney - South West                    | 68.4             | 68.2             | 65.5             | -2.9  |
| Sydney - Sutherland                    | 77.6             | 78.0             | 77.6             | 0.0   |
| <b>Rest of New South Wales</b>         | <b>71.2</b>      | <b>70.3</b>      | <b>70.0</b>      | <b>-1.2</b>                                   |
| Capital Region                         | 72.9             | 72.7             | 72.5             | -0.4  |
| Central West                           | 71.7             | 70.6             | 70.2             | -1.5  |
| Coffs Harbour - Grafton                | 70.6             | 69.5             | 70.0             | -0.6  |
| Far West and Orana                     | 69.1             | 67.9             | 67.0             | -2.1  |
| Hunter Valley exc Newcastle            | 72.5             | 70.9             | 69.8             | -2.7  |
| Illawarra                              | 70.4             | 69.7             | 69.5             | -0.9  |
| Mid North Coast                        | 72.2             | 71.2             | 71.7             | -0.5  |
| Murray                                 | 70.8             | 70.2             | 69.5             | -1.3  |
| New England and North West             | 69.2             | 67.9             | 66.5             | -2.7  |
| Newcastle and Lake Macquarie           | 70.8             | 70.3             | 69.7             | -1.1  |
| Richmond - Tweed                       | 69.8             | 69.2             | 69.9             | 0.1   |
| Riverina                               | 70.1             | 69.1             | 68.0             | -2.1  |
| Southern Highlands and Shoalhaven      | 75.2             | 74.5             | 74.6             | -0.6  |
| <b>Victoria</b>                        | <b>73.6</b>      | <b>71.7</b>      | <b>69.4</b>      | <b>-4.2</b>                                   |
| <b>Greater Melbourne</b>               | <b>73.1</b>      | <b>71.1</b>      | <b>68.1</b>      | <b>-5.0</b>                                   |
| Melbourne - Inner                      | 49.3             | 48.5             | 44.7             | -4.6  |
| Melbourne - Inner East                 | 75.6             | 73.4             | 70.1             | -5.5  |
| Melbourne - Inner South                | 72.9             | 71.3             | 69.4             | -3.5  |
| Melbourne - North East                 | 78.2             | 76.4             | 73.5             | -4.7  |
| Melbourne - North West                 | 80.5             | 78.1             | 74.5             | -6.0  |
| Melbourne - Outer East                 | 82.2             | 80.8             | 79.3             | -2.9  |
| Melbourne - South East                 | 76.8             | 74.3             | 72.0             | -4.8  |
| Melbourne - West                       | 75.7             | 72.4             | 69.5             | -6.2  |
| Mornington Peninsula                   | 76.4             | 74.2             | 73.3             | -3.1  |
| <b>Rest of Victoria</b>                | <b>75.0</b>      | <b>73.6</b>      | <b>73.0</b>      | <b>-2.0</b>                                   |
| Ballarat                               | 75.8             | 73.9             | 72.5             | -3.3  |

(continued)



Households that own their own home (with or without a mortgage) by sub-state region (continued)

| Sub-State Region                     | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--------------------------------------|------------------|------------------|------------------|---|
| Bendigo                              | 75.2             | 74.3             | 73.4             | -1.8  |
| Geelong                              | 75.3             | 73.4             | 72.2             | -3.1  |
| Hume                                 | 73.5             | 73.0             | 72.8             | -0.7  |
| Latrobe - Gippsland                  | 76.6             | 74.9             | 74.9             | -1.7  |
| North West                           | 74.4             | 72.4             | 72.1             | -2.3  |
| Shepparton                           | 73.4             | 71.9             | 71.9             | -1.5  |
| Warrnambool and South West           | 74.8             | 73.7             | 73.6             | -1.2  |
| <b>Queensland</b>                    | <b>66.6</b>      | <b>64.9</b>      | <b>63.9</b>      | <b>-2.7</b>                                   |
| <b>Greater Brisbane</b>              | <b>67.5</b>      | <b>65.3</b>      | <b>63.6</b>      | <b>-3.9</b>                                   |
| Brisbane - East                      | 72.6             | 71.9             | 72.1             | -0.5  |
| Brisbane - North                     | 69.2             | 66.1             | 63.6             | -5.6  |
| Brisbane - South                     | 66.2             | 64.9             | 63.8             | -2.4  |
| Brisbane - West                      | 72.3             | 70.8             | 70.3             | -2.0  |
| Brisbane Inner City                  | 50.3             | 49.6             | 48.0             | -2.3  |
| Ipswich                              | 68.8             | 64.1             | 62.0             | -6.8  |
| Logan - Beaudesert                   | 69.0             | 67.2             | 64.9             | -4.1  |
| Moreton Bay - North                  | 67.5             | 64.3             | 63.9             | -3.6  |
| Moreton Bay - South                  | 79.7             | 75.5             | 70.2             | -9.5  |
| <b>Rest of Queensland</b>            | <b>65.8</b>      | <b>64.6</b>      | <b>64.2</b>      | <b>-1.6</b>                                   |
| Cairns                               | 61.6             | 61.2             | 62.0             | 0.4   |
| Darling Downs - Maranoa              | 70.0             | 67.8             | 66.8             | -3.2  |
| Central Queensland                   | 66.8             | 65.0             | 64.0             | -2.8  |
| Gold Coast                           | 63.6             | 62.8             | 62.1             | -1.5  |
| Mackay - Isaac - Whitsunday          | 65.5             | 63.1             | 62.1             | -3.4  |
| Queensland - Outback                 | 52.2             | 52.0             | 50.8             | -1.4  |
| <i>Far North</i>                     | 36.5             | 39.1             | 37.2             | 0.7   |
| <i>Outback - North</i>               | 55.5             | 53.4             | 52.0             | -3.5  |
| <i>Outback - South</i>               | 64.8             | 64.1             | 65.6             | 0.8   |
| Sunshine Coast                       | 67.5             | 68.1             | 68.6             | 1.1   |
| Toowoomba                            | 68.9             | 67.0             | 65.7             | -3.2  |
| Townsville                           | 64.7             | 62.5             | 61.5             | -3.2  |
| Wide Bay                             | 72.0             | 69.5             | 69.5             | -2.5  |
| <b>South Australia</b>               | <b>71.4</b>      | <b>69.7</b>      | <b>69.0</b>      | <b>-2.4</b>                                   |
| <b>Greater Adelaide</b>              | <b>71.4</b>      | <b>69.5</b>      | <b>68.6</b>      | <b>-2.8</b>                                   |
| Adelaide - Central and Hills         | 70.5             | 68.9             | 68.8             | -1.7  |
| Adelaide - North                     | 72.6             | 69.9             | 68.4             | -4.2  |
| Adelaide - South                     | 74.6             | 73.0             | 72.1             | -2.5  |
| Adelaide - West                      | 65.6             | 64.4             | 63.4             | -2.2  |
| <b>Rest of South Australia</b>       | <b>71.4</b>      | <b>70.1</b>      | <b>70.3</b>      | <b>-1.1</b>                                   |
| Barossa - Yorke - Mid North          | 77.5             | 75.7             | 75.4             | -2.1  |
| South Australia - Outback            | 61.7             | 60.8             | 61.5             | -0.2  |
| <i>Eyre Peninsula and South West</i> | 64.4             | 64.2             | 64.8             | 0.4   |
| <i>Outback - North and East</i>      | 55.8             | 53.5             | 53.4             | -2.4  |
| South Australia - South East         | 72.2             | 71.0             | 71.1             | -1.1  |

(continued)

## Households that own their own home (with or without a mortgage by sub-state region (continued)

| Sub-State Region                    | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|-------------------------------------|------------------|------------------|------------------|---|
| <b>Western Australia</b>            | <b>70.7</b>      | <b>68.7</b>      | <b>69.7</b>      | <b>-1.0</b>                                   |
| <b>Greater Perth</b>                | <b>72.3</b>      | <b>70.4</b>      | <b>71.4</b>      | <b>-0.9</b>                                   |
| Mandurah                            | 70.4             | 66.2             | 70.2             | -0.2  |
| Perth - Inner                       | 62.0             | 58.5             | 59.6             | -2.4  |
| Perth - North East                  | 75.4             | 73.8             | 75.0             | -0.4  |
| Perth - North West                  | 74.4             | 73.1             | 73.7             | -0.7  |
| Perth - South East                  | 71.5             | 69.8             | 70.5             | -1.0  |
| Perth - South West                  | 74.0             | 72.2             | 73.0             | -1.0  |
| <b>Rest of Western Australia</b>    | <b>65.2</b>      | <b>62.8</b>      | <b>63.4</b>      | <b>-1.8</b>                                   |
| Bunbury                             | 71.0             | 69.4             | 71.5             | 0.5   |
| Western Australia - Wheat Belt      | 72.0             | 70.4             | 71.4             | -0.6  |
| Western Australia - Outback (North) | 42.3             | 35.9             | 31.8             | -10.5   |
| <i>Kimberley</i>                    | 47.3             | 45.0             | 44.0             | -3.3  |
| <i>East Pilbara</i>                 | 41.6             | 27.9             | 18.3             | -23.3   |
| <i>West Pilbara</i>                 | 35.4             | 27.8             | 23.5             | -11.9   |
| Western Australia - Outback (South) | 63.5             | 62.4             | 63.4             | -0.1  |
| <i>Esperance</i>                    | 63.8             | 63.1             | 65.1             | 1.3   |
| <i>Gascoyne</i>                     | 61.9             | 64.2             | 64.9             | 3.0   |
| <i>Goldfields</i>                   | 59.5             | 56.0             | 56.6             | -2.9  |
| <i>Mid West</i>                     | 66.6             | 65.9             | 66.9             | 0.3   |
| <b>Tasmania</b>                     | <b>73.1</b>      | <b>71.9</b>      | <b>70.8</b>      | <b>-2.3</b>                                   |
| <b>Greater Hobart</b>               | <b>72.4</b>      | <b>70.9</b>      | <b>69.7</b>      | <b>-2.7</b>                                   |
| <b>Rest of Tasmania</b>             | <b>73.7</b>      | <b>72.6</b>      | <b>71.7</b>      | <b>-2.0</b>                                   |
| Launceston and North East           | 72.5             | 71.3             | 70.2             | -2.3  |
| South East                          | 80.7             | 80.2             | 80.4             | -0.3  |
| West and North West                 | 73.0             | 71.8             | 70.6             | -2.4  |
| <b>Northern Territory</b>           | <b>50.6</b>      | <b>49.2</b>      | <b>48.0</b>      | <b>-2.6</b>                                   |
| <b>Greater Darwin</b>               | <b>58.9</b>      | <b>56.5</b>      | <b>53.8</b>      | <b>-5.1</b>                                   |
| <b>Rest of Northern Territory</b>   | <b>37.5</b>      | <b>37.5</b>      | <b>37.5</b>      | <b>0.0</b>                                    |
| Northern Territory - Outback        | 37.5             | 37.5             | 37.5             | 0.0   |
| <i>Alice Springs</i>                | 46.8             | 47.0             | 45.6             | -1.2  |
| <i>Barkly</i>                       | 34.1             | 32.2             | 33.1             | -1.0  |
| <i>Daly - Tiwi - West Arnhem</i>    | 29.4             | 30.5             | 32.5             | 3.1   |
| <i>East Arnhem</i>                  | 4.4              | 3.6              | 3.6              | -0.8  |
| <i>Katherine</i>                    | 40.9             | 42.1             | 42.0             | 1.1   |
| <b>Australian Capital Territory</b> | <b>69.2</b>      | <b>67.9</b>      | <b>66.6</b>      | <b>-2.6</b>                                   |
| <b>Australian Capital Cities</b>    | <b>69.9</b>      | <b>68.5</b>      | <b>66.6</b>      | <b>-3.3</b>                                   |
| <b>Australian Rest of States</b>    | <b>69.8</b>      | <b>68.5</b>      | <b>68.2</b>      | <b>-1.6</b>                                   |

Source: ABS 2017, Customised report, Census of Population and Housing, Australia

Sub-state regions are SA4 (2016 ASGS), italicised regions are SA3 (2016 ASGS).

Data based on place of enumeration.

Owner occupied dwellings.

Calculation excludes Not Stated category from the denominator.

## P 1.3.4 Recognising traditional country

The proportion of Aboriginal and Torres Strait Islander people who recognise an area as homelands or traditional country measures an important aspect of belonging: the idea of feeling connected to a particular area or place.

Homelands give Aboriginal people a sense of belonging and bring communities together, thereby making it possible for individuals to contribute to the cultural responsibility of caring for their country. The recognition of homelands or traditional country also encompasses those who don't live in those places, highlighting the fact that a person may not live in a place to which they feel a sense of belonging. For these people and a great many others, belonging may include places where they currently reside, as well as other places to which they feel an emotional or cultural connection.<sup>21</sup>

- There has been an increase in the proportion of Aboriginal and Torres Strait Islander people who recognise an area as a homeland or traditional country across Australia, up by 4.5 percentage points from 69.6 per cent in 2002 to 74.1 per cent in 2014-15.

### *Recognising traditional country across remoteness classes*

- The proportion of Aboriginal and Torres Strait Islander people who recognise an area as a homeland or traditional country has increased across all reported remoteness classes.
- The highest rise occurred in the combined inner and outer regional Australia, with an increase of 8.4 percentage points from 2002 to 2014-15.
- Remote and very remote Australia had the highest proportion of Aboriginal and Torres Strait Islander people who recognise an area as a homeland or traditional country, with 88.5 per cent identifying as such in 2014-15.

*Table P 1.3.4.a Aboriginal and Torres Strait Islander people who recognise an area as homelands or traditional country by remoteness class*

| <b>Remoteness Class</b>  | <b>2002<br/>per cent</b> | <b>2008<br/>per cent</b> | <b>2014-15<br/>per cent</b> | <b>2002 - 2014-15<br/>change<br/>percentage<br/>points</b> |
|--------------------------|--------------------------|--------------------------|-----------------------------|--|
| Major Cities             | 62.5                     | 67.1                     | 67.4                        | 4.9  |
| Inner and Outer Regional | 64.1                     | 66.7                     | 72.5                        | 8.4  |
| Remote and Very Remote   | 85.8                     | 86.1                     | 88.5                        | 2.7  |
| <b>AUSTRALIA</b>         | <b>69.6</b>              | <b>71.7</b>              | <b>74.1</b>                 | <b>4.5</b>   |

Source: ABS 2017, Customised report, National Aboriginal and Torres Strait Islander Social Survey, 2014-15 (cat. no. 4714.0)

Remoteness Area classification is based on the 2011 ASGS.

Aboriginal and Torres Strait Islander persons aged 15 years and over.

<sup>21</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

## P 1.4 Safety

### P 1.4.1 Victims of physical assault

The victimisation rate for physical assault is based on the number of individuals who indicate that they have been a victim of this crime. This is an indicator of personal safety which is an important aspect of the overall level of community safety. This indicator also includes crimes that may not have been reported to, or detected by, police and should be viewed as a complement to published police statistics on crime.

Crimes committed against individuals can directly affect the physical, financial and emotional wellbeing of the victim, as well as having an indirect impact on the people around them. It is important to note that personal safety is only one dimension of safety.<sup>22</sup>

- There was a 0.5 percentage point decrease in the physical assault rate in Australia, from 2.9 per cent in 2009-10 to 2.4 per cent in 2017-18.

#### *Victims of physical assault across remoteness classes*

- Between 2009-10 and 2017-18, the rate of physical assault decreased across all reported remoteness areas, with the largest decrease recorded in the combined category of outer regional, remote and very remote Australia (1.0 percentage point).

Table P 1.4.1.a Victims of physical assault by remoteness class

| Remoteness Class                       | 2009-10<br>per cent | 2013-14<br>per cent | 2017-18<br>per cent | 2009-10 -<br>2017-18<br>change<br>percentage<br>points |
|--|---------------------|---------------------|---------------------|--|
| Major Cities                           | 2.9                 | 2.0                 | 2.4                 | -0.5   |
| Inner Regional                         | 2.6                 | 3.0                 | 2.3                 | -0.3   |
| Outer Regional, Remote and Very Remote | 3.4                 | 2.9                 | 2.4                 | -1.0   |
| AUSTRALIA                              | 2.9                 | 2.3                 | 2.4                 | -0.5   |

Source: ABS 2019, Customised report, Crime Victimisation, Australia, 2009-10 to 2017-18 (cat. no. 4530.0)

Remoteness Area classification is based on the 2011 ASGS.

Persons who experienced physical assault in the last 12 months.

<sup>22</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

### Victims of physical assault across capital cities and balance of state

- The combined capital cities and rest of states categories both recorded declines in the rate of physical assault between 2009-10 and 2017-18. The largest recorded decline was in the rest of Western Australia (2.8 percentage points).<sup>23</sup>
- Three locations recorded an increase in the rate of physical assault: the rest of New South Wales (0.6 per cent), rest of South Australia (0.4 per cent)<sup>24</sup> and Greater Brisbane (0.2 per cent).

Table P 1.4.1.b Victims of physical assault by capital city/balance of state

| Capital City / Balance of State     | 2009-10<br>per cent | 2013-14<br>per cent | 2017-18<br>per cent | 2009-10 -<br>2017-18<br>change<br>percentage<br>points |
|-------------------------------------|---------------------|---------------------|---------------------|--|
| <b>New South Wales</b>              | <b>2.4</b>          | <b>2.0</b>          | <b>2.2</b>          | <b>-0.2</b>  |
| Greater Sydney                      | 2.5                 | 1.8                 | 2.0                 | -0.5   |
| Rest of New South Wales             | 2.1                 | 2.6                 | 2.7                 | 0.6  |
| <b>Victoria</b>                     | <b>2.6</b>          | <b>2.0</b>          | <b>2.0</b>          | <b>-0.6</b>  |
| Greater Melbourne                   | 2.6                 | 1.8                 | 1.9                 | -0.7   |
| Rest of Victoria                    | 2.7                 | 2.8                 | 2.3                 | -0.4   |
| <b>Queensland</b>                   | <b>3.5</b>          | <b>2.3</b>          | <b>3.1</b>          | <b>-0.4</b>  |
| Greater Brisbane                    | 3.3                 | 1.9                 | 3.5                 | 0.2  |
| Rest of Queensland                  | 3.6                 | 2.7                 | 2.8                 | -0.8   |
| <b>South Australia</b>              | <b>3.3</b>          | <b>2.7</b>          | <b>2.4</b>          | <b>-0.9</b>  |
| Greater Adelaide                    | 3.7                 | 2.8                 | 2.3                 | -1.4   |
| Rest of South Australia             | 2.0                 | *2.6                | *2.4                | 0.4  |
| <b>Western Australia</b>            | <b>3.9</b>          | <b>2.9</b>          | <b>2.6</b>          | <b>-1.3</b>  |
| Greater Perth                       | 3.5                 | 2.5                 | 2.7                 | -0.8   |
| Rest of Western Australia           | 5.2                 | *3.7                | *2.4                | -2.8   |
| <b>Tasmania</b>                     | <b>2.9</b>          | <b>3.3</b>          | <b>2.4</b>          | <b>-0.5</b>  |
| Greater Hobart                      | 3.2                 | 3.8                 | 2.6                 | -0.6   |
| Rest of Tasmania                    | 2.7                 | 3.0                 | 2.4                 | -0.3   |
| <b>Northern Territory</b>           | <b>5.3</b>          | <b>5.0</b>          | <b>3.7</b>          | <b>-1.6</b>  |
| Greater Darwin                      | n.a.                | 3.7                 | 4.0                 | n.a.   |
| Rest of Northern Territory          | 5.3                 | *6.6                | *3.5                | -1.8   |
| <b>Australian Capital Territory</b> | <b>2.7</b>          | <b>2.6</b>          | <b>*2.5</b>         | <b>-0.2</b>  |
| <b>Australian Capital Cities</b>    | <b>2.9</b>          | <b>2.0</b>          | <b>2.4</b>          | <b>-0.5</b>  |
| <b>Australian Rest of States</b>    | <b>2.9</b>          | <b>2.7</b>          | <b>2.5</b>          | <b>-0.4</b>  |

Source: ABS 2019, Customised report, Crime Victimization, Australia, 2009-10 to 2017-18 (cat. no. 4530.0)

Geography is based on the 2016 ASGS.

\* Estimate has a relative standard error of 25% to 50% and should be used with caution.

n.a. Not available.

<sup>23</sup> Note that the rate for 2017-18 in the rest of Western Australia has an estimated relative standard error of between 25 and 50 percent and should be used with caution.

<sup>24</sup> Note that the rate for 2017-18 in the rest of South Australia has an estimated relative standard error of between 25 and 50 percent and should be used with caution.

## P 1.4.2 Victims of malicious property damage

Crime takes many forms and can have a major impact on the wellbeing of victims, their families and friends, along with the wider community. Those most directly affected may suffer financially, physically, psychologically or emotionally. Household crimes may affect an individual or family's feelings of safety or security, and may result in property damage and financial loss.<sup>25</sup>

Malicious property damage is the intentional damage, defacement or destruction to a part of a person's home or anything usually kept at home.<sup>26</sup> The victimisation rate for malicious property damage is based on the number of individuals who indicate they have been a victim of this crime. This indicator is compiled through a household survey. It collects information on individuals' experiences of crime, whether or not these were reported to police. This means it includes crimes that may not have been reported to or detected by police, and should be viewed as a complement to published police statistics on crime.

- The rate of malicious property damage in Australia fell by 3.4 percentage points between 2009-10 and 2017-18.

### *Victims of malicious property damage across remoteness classes*

- The rate of malicious property damage fell across all reported remoteness classes, with the largest decline in major cities, down 3.5 percentage points between 2009-10 and 2017-18.

*Table P 1.4.2.a Victims of malicious property damage by remoteness class*

| <b>Remoteness Class</b>                 | <b>2009-10</b>  | <b>2013-14</b>  | <b>2017-18</b>  | <b>2009-10 -<br/>2017-18<br/>change<br/>percentage<br/>points</b> |
|---|-----------------|-----------------|-----------------|---|
|   | <i>per cent</i> | <i>per cent</i> | <i>per cent</i> |   |
| Major Cities                            | 8.9             | 6.1             | 5.4             | -3.5  |
| Inner Regional                          | 7.6             | 5.7             | 4.2             | -3.4  |
| Outer Regional, Remote, and Very Remote | 7.7             | 6.0             | 5.0             | -2.7  |
| AUSTRALIA                               | 8.5             | 6.0             | 5.1             | -3.4  |

Source: ABS 2019, Customised report, Crime Victimisation, Australia, 2009-10 to 2017-18 (cat. no. 4530.0)

Remoteness Area classification is based on the 2011 ASGS.

Households that have experienced malicious property damage in the last 12 months.

<sup>25</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

<sup>26</sup> ABS 2019, *Crime Victimisation, Australia, 2017-18* (cat. no. 4530.0), Canberra.

### Victims of malicious property damage across capital cities and balance of state

- All reported capital cities and rest of state regions recorded declines in the rate for malicious property damage between 2009-10 and 2017-18, with the rest of states collectively falling by 4.2 percentage points and capital cities by 2.5 percentage points.
- The largest decline among the capital cities was recorded in Greater Hobart, with a decline of 8.6 percentage points. The largest decline among the rest of state areas was recorded in the rest of Northern Territory, with a decline of 6.3 percentage points.

Table P 1.4.2.b Victims of malicious property damage by capital city/balance of state

| Capital City / Balance of State     | 2009-10<br>per cent | 2013-14<br>per cent | 2017-18<br>per cent | 2009-10 -<br>2017-18<br>change<br>percentage<br>points |
|-------------------------------------|---------------------|---------------------|---------------------|--|
| <b>New South Wales</b>              | <b>8.2</b>          | <b>5.2</b>          | <b>4.6</b>          | <b>-3.6</b>  |
| Greater Sydney                      | 8.1                 | 4.8                 | 4.1                 | -4.0   |
| Rest of New South Wales             | 8.3                 | 5.7                 | 5.2                 | -3.1   |
| <b>Victoria</b>                     | <b>8.2</b>          | <b>6.3</b>          | <b>5.8</b>          | <b>-2.4</b>  |
| Greater Melbourne                   | 8.6                 | 6.6                 | 6.3                 | -2.3   |
| Rest of Victoria                    | 7.1                 | 5.3                 | 4.2                 | -2.9   |
| <b>Queensland</b>                   | <b>7.0</b>          | <b>4.4</b>          | <b>4.4</b>          | <b>-2.6</b>  |
| Greater Brisbane                    | 7.2                 | 4.8                 | 4.8                 | -2.4   |
| Rest of Queensland                  | 6.8                 | 4.2                 | 4.3                 | -2.5   |
| <b>South Australia</b>              | <b>9.2</b>          | <b>6.0</b>          | <b>4.2</b>          | <b>-5.0</b>  |
| Greater Adelaide                    | 10.6                | 6.0                 | 4.5                 | -6.1   |
| Rest of South Australia             | 5.5                 | *5.6                | 3.8                 | -1.7   |
| <b>Western Australia</b>            | <b>10.9</b>         | <b>9.4</b>          | <b>7.1</b>          | <b>-3.8</b>  |
| Greater Perth                       | 11.5                | 9.5                 | 7.3                 | -4.2   |
| Rest of Western Australia           | 9.0                 | 9.4                 | 6.9                 | -2.1   |
| <b>Tasmania</b>                     | <b>9.7</b>          | <b>7.7</b>          | <b>4.9</b>          | <b>-4.8</b>  |
| Greater Hobart                      | 13.9                | 9.9                 | 5.3                 | -8.6   |
| Rest of Tasmania                    | 6.7                 | 6.2                 | 4.0                 | -2.7   |
| <b>Northern Territory</b>           | <b>15.7</b>         | <b>8.2</b>          | <b>7.0</b>          | <b>-8.7</b>  |
| Greater Darwin                      | n.a.                | 6.5                 | 5.9                 | n.a.   |
| Rest of Northern Territory          | 15.7                | 11.4                | 9.4                 | -6.3   |
| <b>Australian Capital Territory</b> | <b>13.9</b>         | <b>9.3</b>          | <b>7.1</b>          | <b>-6.8</b>  |
| <b>Australian Capital Cities</b>    | <b>7.9</b>          | <b>6.3</b>          | <b>5.4</b>          | <b>-2.5</b>  |
| <b>Australian Rest of States</b>    | <b>8.9</b>          | <b>5.5</b>          | <b>4.7</b>          | <b>-4.2</b>  |

Source: ABS 2019, Customised report, Crime Victimisation, Australia, 2009-10 to 2017-18 (cat. no. 4530.0)

Geography is based on the 2016 ASGS.

Households that have experienced malicious property damage in the last 12 months.

\* Estimate has a relative standard error of 25% to 50% and should be used with caution.

n.a. Not available.

### P 1.4.3 Road fatalities

Road crashes impact on the safety of people and property. The damage, injury and death caused by road crashes negatively affects individual health and community wellbeing and has a detrimental economic impact in terms of healthcare costs and lost productivity.

The proportion of road crash deaths per 100,000 people has been identified as the best available indicator of road safety because:

- Road fatality data is currently more reliable than available sources of road injury data.
- The use of a population ratio takes into account variations in the size of populations across regions.
- Trauma resulting from road crash deaths is more significant than that from property damage caused by road crashes.

This indicator measures the overall decline in road crash deaths. However, outcomes may vary for specific groups of road users. For example, older people, children, pedestrians and cyclists are regarded as more vulnerable road users. Rates of road crash deaths also vary according to the types of vehicle involved, such as heavy vehicles or motorcycles.

- Nationally, road fatalities fell from a rate of 5.1 fatalities per 100,000 people in 2013 to 5.0 fatalities per 100,000 people in 2017, representing a 0.1 decline in fatalities per 100,000 people over the period.

#### Road fatalities across remoteness classes

- Road fatalities in major cities and inner regional areas both declined by 0.1 fatalities per 100,000 people between 2013 and 2017, the same rate as the national average.
- Road fatalities in outer regional areas increased by 2.5 fatalities per 100,000 people between 2013 and 2017.
- Remote and very remote areas continue to have higher road fatality rates per 100,000 people compared to all other classes.

Table P 1.4.3.a Road fatalities by remoteness class

| Remoteness Class | 2013<br>fatalities per<br>100,000<br>population | 2015<br>fatalities per<br>100,000<br>population | 2017<br>fatalities per<br>100,000<br>population | 2013 - 2017<br>change<br>fatalities per<br>100,000<br>population |
|------------------|---|---|---|--|
| Major Cities     | 2.6   | 2.4   | 2.4   | -0.1   |
| Inner Regional   | 9.5   | 9.1   | 9.5   | -0.1   |
| Outer Regional   | 11.7  | 13.9  | 14.2  | 2.5  |
| Remote*          | 23.0  | 20.5  | 15.4  | n.p.   |
| Very Remote*     | 26.7  | 28.8  | 18.9  | n.p.   |
| AUSTRALIA        | 5.1   | 5.1   | 5.0   | -0.1   |

Source: BITRE 2019, Unpublished data, National Crash Database; and ABS 2019, Regional Population Growth, Australia, 2017-18 (cat. no. 3218.0)

Geography is based on the 2016 ASGS.

The road safety agencies in each jurisdiction use detailed criteria to define road crashes and road deaths. Broadly, a death is classified as resulting from a road crash if the crash occurred on a public road, is unintentional and the death occurred within 30 days from injuries sustained in the crash.

Between three and six fatalities in 2013 and 2017 were unable to be allocated to a remoteness class and as such, have been excluded from remoteness class figures. They are however included in the total for Australia. The unallocated fatalities represent less than 1.0% of total road fatalities.

Calculation for very remote areas and the total for Australia excludes Other Territories.

\*Due to year on year data variation, change and trend comparisons over time have not been reported for remote and very remote areas.

Change may vary from annual figures due to rounding.

n.p. Not published.



### *Road fatalities across capital cities and balance of state*

- In 2017, of the States and Territories the Northern Territory recorded the highest rate of road fatalities at 12.5 fatalities per 100,000 people, while the Australian Capital Territory recorded the lowest at 1.2 fatalities per 100,000 people. New South Wales was the only State or Territory to record an increase in the road fatality rate between 2013 and 2017, with an increase of 0.4 fatalities per 100,000 people.
- In 2017, the Australian capital cities collectively continued to have much lower rates of road fatalities compared to the Australian rest of states, with rates of 2.8 fatalities per 100,000 people and 9.3 fatalities per 100,000 people respectively. Overall, there was a collective decline in road fatality rates for capital cities and rest of state areas between 2013 and 2017, with both recording declines of 0.1 fatalities per 100,000 people.
- In 2017, the highest rate of road fatalities recorded across the capital cities and rest of state areas occurred in the rest of Western Australia with 16.4 fatalities per 100,000 people, while the lowest rate recorded was in the Australian Capital Territory<sup>27</sup> with 1.2 fatalities per 100,000 people.
- The largest decline across the capital cities and rest of state areas between 2013 and 2017 was recorded in the rest of South Australia, recording a decline of 2.8 fatalities per 100,000 people. Other large declines occurred in rest of Tasmania (down 2.4 fatalities per 100,000 people) and rest of Queensland (down 1.7 fatalities per 100,000 people).
- The highest increases in road fatality rates between 2013 and 2017 were reported in Greater Darwin (up 2.9 fatalities per 100,000 people), Greater Hobart (up 2.5 fatalities per 100,000 people) and rest of New South Wales (up 1.6 fatalities per 100,000 people).

<sup>27</sup> Australian Capital Territory (State) and Australian Capital Territory (GCCSA) represent equivalent boundaries.

Table P 1.4.3.b Road fatalities by capital city/balance of state

| <i>Capital City / Balance of State</i> | <i>2013<br/>fatalities per<br/>100,000<br/>population</i> | <i>2015<br/>fatalities per<br/>100,000<br/>population</i> | <i>2017<br/>fatalities per<br/>100,000<br/>population</i> | <i>2013 - 2017<br/>change<br/>fatalities per<br/>100,000<br/>population</i> |
|--|---|---|---|---|
| <b>New South Wales</b>                 | <b>4.5</b>  | <b>4.6</b>  | <b>4.9</b>  | <b>0.4</b>  |
| Greater Sydney                         | 2.3   | 2.6   | 2.3   | -0.1  |
| Rest of New South Wales                | 8.4   | 8.2   | 10.0  | 1.6   |
| <b>Victoria</b>                        | <b>4.2</b>  | <b>4.2</b>  | <b>4.1</b>  | <b>-0.1</b>   |
| Greater Melbourne                      | 2.4   | 2.6   | 2.3   | -0.1  |
| Rest of Victoria                       | 9.7   | 9.1   | 9.9   | 0.3   |
| <b>Queensland</b>                      | <b>5.8</b>  | <b>5.1</b>  | <b>5.0</b>  | <b>-0.8</b>   |
| Greater Brisbane                       | 3.3   | 3.3   | 3.5   | 0.2   |
| Rest of Queensland                     | 8.2   | 6.8   | 6.5   | -1.7  |
| <b>South Australia</b>                 | <b>5.8</b>  | <b>6.0</b>  | <b>5.8</b>  | <b>0.0</b>  |
| Greater Adelaide                       | 3.3   | 3.3   | 4.2   | 0.9   |
| Rest of South Australia                | 14.1  | 15.2  | 11.3  | -2.8  |
| <b>Western Australia</b>               | <b>6.4</b>  | <b>6.3</b>  | <b>6.0</b>  | <b>-0.4</b>   |
| Greater Perth                          | 4.5   | 3.7   | 3.3   | -1.2  |
| Rest of Western Australia              | 13.1  | 16.2  | 16.4  | n.p.  |
| <b>Tasmania</b>                        | <b>6.8</b>  | <b>6.4</b>  | <b>6.5</b>  | <b>-0.3</b>   |
| Greater Hobart                         | 3.6   | 4.5   | 6.1   | 2.5   |
| Rest of Tasmania                       | 9.2   | 7.9   | 6.8   | -2.4  |
| <b>Northern Territory</b>              | <b>15.3</b>   | <b>20.0</b>   | <b>12.5</b>   | <b>-2.8</b>   |
| Greater Darwin                         | 7.2   | 15.9  | 10.1  | 2.9   |
| Rest of Northern Territory*            | 26.1  | 26.1  | 16.2  | n.p.  |
| <b>Australian Capital Territory</b>    | <b>1.8</b>  | <b>3.8</b>  | <b>1.2</b>  | <b>-0.6</b>   |
| <b>Australian Capital Cities</b>       | <b>2.9</b>  | <b>3.1</b>  | <b>2.8</b>  | <b>-0.1</b>   |
| <b>Australian Rest of States</b>       | <b>9.4</b>  | <b>9.0</b>  | <b>9.3</b>  | <b>-0.1</b>   |

Source: BITRE 2019, Unpublished data, National Crash Database; and ABS 2019, Regional Population Growth, Australia, 2017-18 (cat. no. 3218.0)

Geography is based on the 2016 ASGS.

The road safety agencies in each jurisdiction use detailed criteria to define road crashes and road deaths. Broadly, a death is classified as resulting from a road crash if the crash occurred on a public road, is unintentional and the death occurred within 30 days from injuries sustained in the crash.

\* Due to year on year data variation, change and trend comparisons over time have not been reported for the rest of Northern Territory. Change may vary from annual figures due to rounding.

n.p. Not published.

## P 1.5 Learning and knowledge

### P 1.5.1 Vocational or higher educational qualifications

Vocational and higher education helps people to develop knowledge and skills that may be used to enhance their own wellbeing and that of the broader community. For an individual, education is widely regarded as a key factor in developing a rewarding career. For the nation, a skilled workforce supports ongoing economic development and improves overall living conditions.<sup>28</sup>

The proportion of people aged 25 to 64 years with a vocational (Certificate III or above) or higher education qualification is an indicator of the level of knowledge and skills available.

- Across Australia, 56.9 per cent of people aged 25 to 64 had a vocational or higher educational qualification in 2016, which represents an increase of 12.1 percentage points from 2006.

#### *Vocational or higher educational qualifications across remoteness classes*

- The proportion of 25 to 64 year olds with a vocational or higher education qualification increased across all remoteness classes between 2006 and 2016.
- Changes in the proportion varied across the classes, with smaller increases recorded in remote and very remote Australia (9.7 and 8.1 percentage points respectively), compared to major cities (12.4 percentage points).
- In 2016 there was a marked difference (20.9 percentage points) between the national proportion of people with a vocational or higher education qualification (56.9 per cent) and for people in very remote Australia (36.0 per cent).

*Table P 1.5.1.a People with a vocational or higher education qualification by remoteness class*

| <b>Remoteness Class</b> | <b>2006<br/>per cent</b> | <b>2011<br/>per cent</b> | <b>2016<br/>per cent</b> | <b>2006 - 2016<br/>change<br/>percentage<br/>points</b> |
|-------------------------|--------------------------|--------------------------|--------------------------|---|
| Major Cities            | 47.4                     | 54.3                     | 59.8                     | 12.4  |
| Inner Regional          | 41.0                     | 47.1                     | 52.1                     | 11.1  |
| Outer Regional          | 36.8                     | 42.5                     | 47.2                     | 10.4  |
| Remote                  | 34.1                     | 40.2                     | 43.8                     | 9.7   |
| Very Remote             | 27.9                     | 33.4                     | 36.0                     | 8.1   |
| <b>AUSTRALIA</b>        | <b>44.8</b>              | <b>51.5</b>              | <b>56.9</b>              | <b>12.1</b>   |

Source: ABS 2018, Customised report, Census of Population and Housing, Australia

Geography is based on the 2016 ASGS.

Data based on place of usual residence.

Persons aged 25 to 64 years.

Includes Doctoral degree, Master degree, Graduate diploma, Graduate certificate and Bachelor degree, Advanced diplomas, Diplomas, and Certificates III to IV.

Excludes: Certificates I and II; level of education inadequately described; not stated; and certificates not further defined.

#### *Vocational or higher educational qualifications across major urban areas*

- All major urban areas have progressed on this indicator between 2006 and 2016.
- The strongest growth in the proportion of people with a vocational or higher education qualification occurred in the Sunshine Coast and Geelong (both up 14.0 percentage points) and the Gold Coast - Tweed Heads region (up 13.7 percentage points).
- The smallest increase was recorded in Launceston, with an increase of 9.8 percentage points.

<sup>28</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

Table P 1.5.1.b People with a vocational or higher education qualification by major urban area

| Major Urban Area         | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--------------------------|------------------|------------------|------------------|---|
| Greater Sydney           | 48.6             | 55.3             | 60.4             | 11.8  |
| Greater Melbourne        | 48.0             | 55.1             | 60.7             | 12.7  |
| Greater Brisbane         | 45.7             | 52.8             | 58.6             | 12.9  |
| Greater Perth            | 46.5             | 52.9             | 58.2             | 11.7  |
| Greater Adelaide         | 44.3             | 51.0             | 56.9             | 12.6  |
| Gold Coast - Tweed Heads | 41.8             | 49.2             | 55.5             | 13.7  |
| Newcastle - Maitland     | 44.4             | 51.0             | 57.1             | 12.7  |
| Canberra - Queanbeyan    | 57.5             | 63.9             | 67.8             | 10.3  |
| Sunshine Coast           | 44.6             | 52.1             | 58.6             | 14.0  |
| Wollongong               | 45.7             | 52.5             | 58.4             | 12.7  |
| Geelong                  | 45.0             | 52.5             | 59.0             | 14.0  |
| Greater Hobart           | 44.8             | 51.3             | 55.8             | 11.0  |
| Townsville               | 43.6             | 48.7             | 54.2             | 10.6  |
| Cairns                   | 42.7             | 48.5             | 54.0             | 11.3  |
| Greater Darwin           | 44.4             | 49.5             | 55.1             | 10.7  |
| Toowoomba                | 43.3             | 49.8             | 56.3             | 13.0  |
| Ballarat                 | 44.2             | 51.1             | 57.0             | 12.8  |
| Bendigo                  | 43.8             | 50.2             | 55.0             | 11.2  |
| Albury - Wodonga         | 44.0             | 50.1             | 55.6             | 11.6  |
| Launceston               | 41.7             | 48.4             | 51.5             | 9.8   |

Source: ABS 2017, Customised report, Census of Population and Housing, Australia

The major urban areas of Sydney, Melbourne, Brisbane, Adelaide, Perth, Hobart and Darwin are based on the 2016 ASGS Greater Capital City Statistical Area (GCCSA) classification. All other major urban areas are based on the 2016 ASGS Significant Urban Area (SUA) classification.

Data based on place of usual residence.

Persons aged 25 to 64 years.

Includes Doctoral degree, Master degree, Graduate diploma, Graduate certificate and Bachelor degree, Advanced diplomas, Diplomas, and Certificates III to IV.

Excludes: Certificates I and II; level of education inadequately described; not stated; and certificates not further defined.

### Vocational or higher educational qualifications across sub-state regions

- Between 2006 and 2016, the largest increase in the proportion of people with a vocational or higher educational qualification across the Statistical Area Level 4 regions occurred in capital city regions: Brisbane - North (up 15.9 percentage points), followed by Melbourne - West (up 15.5 percentage points) and Sydney - City and Inner South (up 15.3 percentage points).
- The lowest level of growth in the proportion of people with a vocational or higher education qualification at the Statistical Area Level 4 scale was Northern Territory - Outback where just a 4.9 percentage point increase was recorded.
- In 2016, Statistical Area Level 4 regions that recorded the highest proportions of persons with vocational or higher education qualifications were in capital cities: Sydney - North Sydney and Hornsby (75.8 per cent), followed by Brisbane - West (73.4 per cent), Sydney - Ryde (72.3 per cent), Melbourne - Inner East (71.9 per cent) and Perth - Inner (71.8 per cent). Conversely, the lowest proportions occurred in Northern Territory - Outback (35.3 per cent) and Queensland - Outback (40.2 per cent).

Table P 1.5.1.c People with a vocational or higher education qualification by sub-state region

| Sub-State Region                       | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--|------------------|------------------|------------------|---|
| <b>New South Wales</b>                 | <b>46.2</b>      | <b>52.7</b>      | <b>57.9</b>      | <b>11.7</b>                                   |
| <b>Greater Sydney</b>                  | <b>48.6</b>      | <b>55.3</b>      | <b>60.4</b>      | <b>11.8</b>                                   |
| Central Coast                          | 42.3             | 48.6             | 54.9             | 12.6  |
| Sydney - Baulkham Hills and Hawkesbury | 56.5             | 62.5             | 68.2             | 11.7  |
| Sydney - Blacktown                     | 39.8             | 47.4             | 54.4             | 14.6  |
| Sydney - City and Inner South          | 50.2             | 61.3             | 65.5             | 15.3  |
| Sydney - Eastern Suburbs               | 58.4             | 65.5             | 69.8             | 11.4  |
| Sydney - Inner South West              | 41.9             | 48.7             | 54.6             | 12.7  |
| Sydney - Inner West                    | 57.3             | 64.1             | 67.8             | 10.5  |
| Sydney - North Sydney and Hornsby      | 66.5             | 72.2             | 75.8             | 9.3   |
| Sydney - Northern Beaches              | 57.6             | 64.5             | 69.3             | 11.7  |
| Sydney - Outer South West              | 39.5             | 45.6             | 52.2             | 12.7  |
| Sydney - Outer West and Blue Mountains | 43.2             | 48.5             | 54.1             | 10.9  |
| Sydney - Parramatta                    | 43.2             | 50.4             | 55.3             | 12.1  |
| Sydney - Ryde                          | 61.1             | 68.1             | 72.3             | 11.2  |
| Sydney - South West                    | 31.9             | 36.9             | 42.3             | 10.4  |
| Sydney - Sutherland                    | 53.0             | 59.3             | 65.1             | 12.1  |
| <b>Rest of New South Wales</b>         | <b>41.7</b>      | <b>47.9</b>      | <b>53.0</b>      | <b>11.3</b>                                   |
| Capital Region                         | 43.0             | 49.2             | 53.8             | 10.8  |
| Central West                           | 39.1             | 45.1             | 49.8             | 10.7  |
| Coffs Harbour - Grafton                | 41.0             | 47.3             | 52.0             | 11.0  |
| Far West and Orana                     | 34.0             | 39.9             | 44.9             | 10.9  |
| Hunter Valley exc Newcastle            | 40.4             | 46.1             | 51.0             | 10.6  |
| Illawarra                              | 46.1             | 52.8             | 58.7             | 12.6  |
| Mid North Coast                        | 39.1             | 45.3             | 50.1             | 11.0  |
| Murray                                 | 39.2             | 45.4             | 50.6             | 11.4  |
| New England and North West             | 37.9             | 43.7             | 48.2             | 10.3  |
| Newcastle and Lake Macquarie           | 46.2             | 53.1             | 59.5             | 13.3  |
| Richmond - Tweed                       | 43.1             | 49.7             | 54.3             | 11.2  |
| Riverina                               | 38.4             | 44.1             | 48.6             | 10.2  |
| Southern Highlands and Shoalhaven      | 44.0             | 49.8             | 54.5             | 10.5  |
| <b>Victoria</b>                        | <b>46.2</b>      | <b>53.2</b>      | <b>58.9</b>      | <b>12.7</b>                                   |
| <b>Greater Melbourne</b>               | <b>48.0</b>      | <b>55.1</b>      | <b>60.7</b>      | <b>12.7</b>                                   |
| Melbourne - Inner                      | 58.7             | 66.6             | 69.6             | 10.9  |
| Melbourne - Inner East                 | 62.6             | 68.3             | 71.9             | 9.3   |
| Melbourne - Inner South                | 58.0             | 65.1             | 70.0             | 12.0  |
| Melbourne - North East                 | 44.9             | 52.5             | 59.0             | 14.1  |
| Melbourne - North West                 | 37.9             | 45.0             | 52.4             | 14.5  |
| Melbourne - Outer East                 | 48.0             | 55.4             | 61.9             | 13.9  |
| Melbourne - South East                 | 41.9             | 49.2             | 55.4             | 13.5  |
| Melbourne - West                       | 38.3             | 46.5             | 53.8             | 15.5  |
| Mornington Peninsula                   | 42.8             | 49.8             | 56.5             | 13.7  |
| <b>Rest of Victoria</b>                | <b>40.8</b>      | <b>47.3</b>      | <b>52.6</b>      | <b>11.8</b>                                   |
| Ballarat                               | 42.3             | 49.0             | 54.6             | 12.3  |

(continued)

People with a vocational or higher education qualification by sub-state region (continued)

| Sub-State Region                     | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--------------------------------------|------------------|------------------|------------------|---|
| Bendigo                              | 43.4             | 50.2             | 54.9             | 11.5  |
| Geelong                              | 45.0             | 52.6             | 58.9             | 13.9  |
| Hume                                 | 42.4             | 48.4             | 53.1             | 10.7  |
| Latrobe - Gippsland                  | 40.2             | 46.4             | 50.8             | 10.6  |
| North West                           | 35.0             | 40.7             | 45.0             | 10.0  |
| Shepparton                           | 35.8             | 41.4             | 47.0             | 11.2  |
| Warrnambool and South West           | 38.9             | 45.6             | 50.3             | 11.4  |
| <b>Queensland</b>                    | <b>42.2</b>      | <b>49.1</b>      | <b>54.9</b>      | <b>12.7</b>                                   |
| <b>Greater Brisbane</b>              | <b>45.7</b>      | <b>52.8</b>      | <b>58.6</b>      | <b>12.9</b>                                   |
| Brisbane - East                      | 44.1             | 51.8             | 58.3             | 14.2  |
| Brisbane - North                     | 46.3             | 54.7             | 62.2             | 15.9  |
| Brisbane - South                     | 51.5             | 59.2             | 65.1             | 13.6  |
| Brisbane - West                      | 62.2             | 68.7             | 73.4             | 11.2  |
| Brisbane Inner City                  | 58.5             | 67.0             | 70.0             | 11.5  |
| Ipswich                              | 35.2             | 41.9             | 47.8             | 12.6  |
| Logan - Beaudesert                   | 34.9             | 41.2             | 47.5             | 12.6  |
| Moreton Bay - North                  | 35.7             | 41.9             | 48.4             | 12.7  |
| Moreton Bay - South                  | 46.0             | 53.4             | 59.8             | 13.8  |
| <b>Rest of Queensland</b>            | <b>39.1</b>      | <b>45.7</b>      | <b>51.4</b>      | <b>12.3</b>                                   |
| Cairns                               | 40.0             | 45.9             | 50.9             | 10.9  |
| Darling Downs - Maranoa              | 31.5             | 37.8             | 43.6             | 12.1  |
| Central Queensland                   | 36.8             | 42.7             | 47.6             | 10.8  |
| Gold Coast                           | 42.2             | 49.5             | 55.7             | 13.5  |
| Mackay - Isaac - Whitsunday          | 36.5             | 42.9             | 47.4             | 10.9  |
| Queensland - Outback                 | 30.5             | 35.6             | 40.2             | 9.7   |
| <i>Far North</i>                     | 28.8             | 33.4             | 37.3             | 8.5   |
| <i>Outback - North</i>               | 32.3             | 37.7             | 42.9             | 10.6  |
| <i>Outback - South</i>               | 29.9             | 35.3             | 40.5             | 10.6  |
| Sunshine Coast                       | 44.2             | 51.9             | 58.2             | 14.0  |
| Toowoomba                            | 42.1             | 48.6             | 54.8             | 12.7  |
| Townsville                           | 40.7             | 46.0             | 51.6             | 10.9  |
| Wide Bay                             | 33.9             | 39.8             | 44.8             | 10.9  |
| <b>South Australia</b>               | <b>41.6</b>      | <b>48.3</b>      | <b>54.0</b>      | <b>12.4</b>                                   |
| <b>Greater Adelaide</b>              | <b>44.3</b>      | <b>51.0</b>      | <b>56.9</b>      | <b>12.6</b>                                   |
| Adelaide - Central and Hills         | 56.0             | 62.3             | 67.2             | 11.2  |
| Adelaide - North                     | 35.3             | 42.3             | 48.6             | 13.3  |
| Adelaide - South                     | 46.7             | 53.3             | 59.5             | 12.8  |
| Adelaide - West                      | 41.1             | 49.0             | 55.4             | 14.3  |
| <b>Rest of South Australia</b>       | <b>32.9</b>      | <b>38.8</b>      | <b>43.7</b>      | <b>10.8</b>                                   |
| Barossa - Yorke - Mid North          | 33.6             | 39.6             | 44.9             | 11.3  |
| South Australia - Outback            | 33.2             | 38.7             | 42.4             | 9.2   |
| <i>Eyre Peninsula and South West</i> | 33.6             | 39.3             | 43.6             | 10.0  |
| <i>Outback - North and East</i>      | 32.4             | 37.5             | 40.0             | 7.6   |
| South Australia - South East         | 32.4             | 38.4             | 43.5             | 11.1  |

(continued)

## People with a vocational or higher education qualification by sub-state region (continued)

| <i>Sub-State Region</i>             | <i>2006<br/>per cent</i> | <i>2011<br/>per cent</i> | <i>2016<br/>per cent</i> | <i>2006 - 2016<br/>change<br/>percentage<br/>points</i> |
|-------------------------------------|--------------------------|--------------------------|--------------------------|---|
| <b>Western Australia</b>            | <b>44.1</b>              | <b>50.4</b>              | <b>55.6</b>              | <b>11.5</b>   |
| <b>Greater Perth</b>                | <b>46.5</b>              | <b>52.9</b>              | <b>58.2</b>              | <b>11.7</b>   |
| Mandurah                            | 35.3                     | 41.9                     | 48.8                     | 13.5  |
| Perth - Inner                       | 62.1                     | 68.3                     | 71.8                     | 9.7   |
| Perth - North East                  | 42.0                     | 47.7                     | 53.6                     | 11.6  |
| Perth - North West                  | 47.2                     | 53.6                     | 59.2                     | 12.0  |
| Perth - South East                  | 44.1                     | 50.9                     | 56.6                     | 12.5  |
| Perth - South West                  | 46.4                     | 53.0                     | 58.1                     | 11.7  |
| <b>Rest of Western Australia</b>    | <b>36.2</b>              | <b>41.9</b>              | <b>46.3</b>              | <b>10.1</b>   |
| Bunbury                             | 39.3                     | 46.0                     | 50.5                     | 11.2  |
| Western Australia - Wheat Belt      | 34.3                     | 39.3                     | 43.2                     | 8.9   |
| Western Australia - Outback (North) | 36.0                     | 41.7                     | 46.6                     | 10.6  |
| <i>Kimberley</i>                    | 32.8                     | 37.4                     | 41.9                     | 9.1   |
| <i>East Pilbara</i>                 | 33.9                     | 42.7                     | 45.7                     | 11.8  |
| <i>West Pilbara</i>                 | 41.5                     | 44.8                     | 51.1                     | 9.6   |
| Western Australia - Outback (South) | 34.7                     | 39.4                     | 43.5                     | 8.8   |
| <i>Esperance</i>                    | 35.5                     | 40.1                     | 42.4                     | 6.9   |
| <i>Gascoyne</i>                     | 34.4                     | 38.2                     | 42.5                     | 8.1   |
| <i>Goldfields</i>                   | 34.8                     | 38.9                     | 43.0                     | 8.2   |
| <i>Mid West</i>                     | 34.4                     | 39.8                     | 44.3                     | 9.9   |
| <b>Tasmania</b>                     | <b>40.2</b>              | <b>46.7</b>              | <b>50.9</b>              | <b>10.7</b>   |
| <b>Greater Hobart</b>               | <b>44.8</b>              | <b>51.3</b>              | <b>55.8</b>              | <b>11.0</b>   |
| <b>Rest of Tasmania</b>             | <b>36.7</b>              | <b>43.3</b>              | <b>47.1</b>              | <b>10.4</b>   |
| Launceston and North East           | 38.7                     | 45.1                     | 48.4                     | 9.7   |
| South East                          | 34.4                     | 41.9                     | 46.4                     | 12.0  |
| West and North West                 | 35.1                     | 41.4                     | 45.7                     | 10.6  |
| <b>Northern Territory</b>           | <b>38.5</b>              | <b>44.1</b>              | <b>47.5</b>              | <b>9.0</b>  |
| <b>Greater Darwin</b>               | <b>44.4</b>              | <b>49.5</b>              | <b>55.1</b>              | <b>10.7</b>   |
| <b>Rest of Northern Territory</b>   | <b>30.4</b>              | <b>36.2</b>              | <b>35.3</b>              | <b>4.9</b>  |
| Northern Territory - Outback        | 30.4                     | 36.2                     | 35.3                     | 4.9   |
| <i>Alice Springs</i>                | 36.6                     | 42.6                     | 43.9                     | 7.3   |
| <i>Barkly</i>                       | 21.3                     | 27.0                     | 32.2                     | 10.9  |
| <i>Daly - Tiwi - West Arnhem</i>    | 20.5                     | 27.1                     | 22.8                     | 2.3   |
| <i>East Arnhem</i>                  | 28.6                     | 34.0                     | 28.3                     | -0.3  |
| <i>Katherine</i>                    | 28.8                     | 34.3                     | 33.9                     | 5.1   |
| <b>Australian Capital Territory</b> | <b>58.8</b>              | <b>65.0</b>              | <b>68.7</b>              | <b>9.9</b>  |
| <b>Australian Capital Cities</b>    | <b>47.6</b>              | <b>54.4</b>              | <b>59.8</b>              | <b>12.2</b>   |
| <b>Australian Rest of States</b>    | <b>39.6</b>              | <b>45.9</b>              | <b>51.1</b>              | <b>11.5</b>   |

Source: ABS 2018, Customised report, Census of Population and Housing, Australia

Geography is based on the 2016 ASGS.

Data based on place of usual residence.

Persons aged 25 to 64 years.

Includes Doctoral degree, Master degree, Graduate diploma, Graduate certificate and Bachelor degree, Advanced diplomas, Diplomas, and Certificates III to IV.

Excludes: Certificates I and II; level of education inadequately described; not stated; and certificates not further defined.

## P 1.5.2 Year 5 and 9 reading standards

The proportion of students that reach a minimum reading standard in Year 5 and Year 9 provides a measure of the number of students who achieve a level of literacy appropriate to their age. Educational attainment contributes to overall living standards by enabling people to contribute to society.

The indicator is based on the National Assessment Program – Literacy and Numeracy (NAPLAN) and is a nationally-based assessment of student performances. NAPLAN is used as a tool to inform and support improvements to teaching and learning in Australian schools.

- Across Australia, reading standards for Year 5 students increased by 1.9 percentage points between 2016 and 2018, with reading standards for Year 9 students also increasing by 0.6 percentage points.

### Year 5 and 9 reading standards across remoteness classes

- In 2018, the proportion of students at or above the national minimum standard was progressively lower according to the remoteness of regions for both Year 5 and Year 9 students.
- In 2018, there was a marked difference (41.2 percentage points) between the proportion of Year 5 students at or above minimum reading standards nationally (94.9 per cent) and in very remote Australia (53.7 per cent).
- Year 5 students recorded improvements between 2016 and 2018 across all remoteness classes, with higher degrees of remoteness experiencing greater improvements. The greatest increase was experienced in very remote (7.7 percentage points) while the smallest was experienced in major cities (1.3 percentage points).
- In 2018, there was a marked difference (47.1 percentage points) between the proportion of Year 9 students at or above minimum reading standards nationally (93.4 per cent) and in very remote Australia (46.3 per cent).
- Year 9 students experienced a different trend from Year 5 students between 2016 and 2018, with major cities recording the only improvement over that period (0.8 percentage points). Very remote Australia experienced the largest decrease of 3.4 percentage points.

Table P 1.5.2.a Students at or above national minimum reading standards by remoteness class

| Remoteness Class       | 2016<br>per cent | 2017<br>per cent | 2018<br>per cent | 2016 - 2018<br>change<br>percentage<br>points |
|------------------------|------------------|------------------|------------------|---|
| <b>Year 5 students</b> |                  |                  |                  |   |
| Major Cities           | 94.5             | 95.0             | 95.8             | 1.3   |
| Inner Regional         | 92.7             | 93.7             | 94.8             | 2.1   |
| Outer Regional         | 89.5             | 91.7             | 92.6             | 3.1   |
| Remote                 | 81.4             | 84.3             | 85.4             | 4.0   |
| Very Remote            | 46.0             | 52.7             | 53.7             | 7.7   |
| AUSTRALIA              | 93.0             | 93.9             | 94.9             | 1.9   |
| <b>Year 9 students</b> |                  |                  |                  |   |
| Major Cities           | 93.9             | 93.1             | 94.7             | 0.8   |
| Inner Regional         | 92.3             | 90.6             | 92.1             | -0.2  |
| Outer Regional         | 89.8             | 87.3             | 89.7             | -0.1  |
| Remote                 | 82.0             | 79.3             | 81.8             | -0.2  |
| Very Remote            | 49.7             | 41.5             | 46.3             | -3.4  |
| AUSTRALIA              | 92.8             | 91.7             | 93.4             | 0.6   |

Source: Australian Curriculum, Assessment and Reporting Authority 2018, NAPLAN Achievement in Reading, Writing, Language Conventions and Numeracy: National Report for 2018, ACARA, Sydney; Australian Curriculum, Assessment and Reporting Authority 2017, NAPLAN Achievement in Reading, Writing, Language Conventions and Numeracy: National Report for 2017, ACARA, Sydney; Australian Curriculum, Assessment and Reporting Authority 2016, NAPLAN Achievement in Reading, Writing, Language Conventions and Numeracy: National Report for 2016, ACARA, Sydney

The national minimum standard is the agreed minimum acceptable standard of knowledge and skills without which a student will have difficulty making sufficient progress at school.

From 2016, the ABS 2011 ASGS Remoteness Area classification replaces the previous geolocation classification categories. As a result, the geolocation results obtained from the 2016 NAPLAN onwards are not comparable to those of previous cycles.

Geography is based on the 2011 ASGS.

Remoteness Areas reflect the location of individual schools rather than students.



### P 1.5.3 Year 5 and 9 numeracy standards

The proportion of students that reach a minimum numeracy standard in Year 5 and Year 9 provides a measure of the number of students who achieve a level of numeracy appropriate to their age. Educational attainment contributes to overall living standards by enabling people to contribute to society.

The indicator is based on the National Assessment Program – Literacy and Numeracy (NAPLAN) and is a nationally-based assessment of student performances. NAPLAN is used as a tool to inform and support improvements to teaching and learning in Australian schools.

- Across Australia numeracy standards for Year 5 students increased by 1.4 percentage points between 2016 and 2018, with numeracy standards for Year 9 students also increasing (0.3 percentage points).

#### *Year 5 and 9 numeracy standards across remoteness classes*

- In 2018, the proportion of students at or above the national minimum standard was progressively lower according to the remoteness of regions for both Year 5 and Year 9 students.
- In 2018, there was a marked difference (34.3 percentage points) between the national proportion of Year 5 students at or above minimum numeracy standards (95.7 per cent), and students in very remote Australia (61.4 per cent).
- The difference in the national proportion of students at or above minimum numeracy standards for Year 9 students (95.5 per cent) and those in very remote Australia (65.1 per cent) was 30.4 percentage points.
- Both Year 5 and Year 9 students recorded positive increases between 2016 and 2018 across all remoteness classes, and higher degrees of remoteness generally resulted in greater increases. For Year 5 students, the greatest increase was in remote Australia (3.9 percentage points) followed by very remote Australia (3.5 percentage points). For Year 9 students, the greatest increase was experienced in very remote Australia (4.1 percentage points) followed by remote Australia (2.9 percentage points).

Table P 1.5.3.a Students at or above national minimum numeracy standards  
by remoteness class

| Remoteness Class | 2016<br>per cent | 2017<br>per cent | 2018<br>per cent | 2016 - 2018<br>change<br>percentage<br>points |
|------------------|------------------|------------------|------------------|---|
| Year 5 students  |                  |                  |                  |   |
| Major Cities     | 95.4             | 96.2             | 96.4             | 1.0   |
| Inner Regional   | 94.0             | 95.2             | 95.6             | 1.6   |
| Outer Regional   | 92.0             | 93.8             | 94.2             | 2.2   |
| Remote           | 85.0             | 87.1             | 88.9             | 3.9   |
| Very Remote      | 57.9             | 60.7             | 61.4             | 3.5   |
| AUSTRALIA        | 94.3             | 95.4             | 95.7             | 1.4   |
| Year 9 students  |                  |                  |                  |   |
| Major Cities     | 96.1             | 96.4             | 96.2             | 0.1   |
| Inner Regional   | 94.3             | 95.2             | 94.7             | 0.4   |
| Outer Regional   | 93.4             | 94.5             | 93.9             | 0.5   |
| Remote           | 86.4             | 90.3             | 89.3             | 2.9   |
| Very Remote      | 61.0             | 66.4             | 65.1             | 4.1   |
| AUSTRALIA        | 95.2             | 95.8             | 95.5             | 0.3   |

Source: Australian Curriculum, Assessment and Reporting Authority 2018, NAPLAN Achievement in Reading, Writing, Language Conventions and Numeracy: National Report for 2018, ACARA, Sydney; Australian Curriculum, Assessment and Reporting Authority 2017, NAPLAN Achievement in Reading, Writing, Language Conventions and Numeracy: National Report for 2017, ACARA, Sydney; Australian Curriculum, Assessment and Reporting Authority 2016, NAPLAN Achievement in Reading, Writing, Language Conventions and Numeracy: National Report for 2016, ACARA, Sydney

The national minimum standard is the agreed minimum acceptable standard of knowledge and skills without which a student will have difficulty making sufficient progress at school.

From 2016, the ABS 2011 ASGS Remoteness Area classification replaces the previous geolocation classification categories. As a result, the geolocation results obtained from the 2016 NAPLAN onwards are not comparable to those of previous cycles.

Geography is based on the 2011 ASGS. Remoteness Areas reflect the location of individual schools rather than students.

## P 1.6 Community connections

### P 1.6.1 Voluntary work

The proportion of people aged 15 years and over who are involved in voluntary work provides insight about those who are connected to their local communities through involvement in social and community groups.

Voluntary work is an important part of the aspiration for community connections and diversity. Therefore, this measure is an illuminating, if partial, indicator of the level of social and community connectedness amongst Australians.<sup>29</sup>

- In 2016, 20.7 per cent of people had participated in voluntary work within the previous 12 month period. Across Australia, between 2006 and 2016 there has been an increase in the participation of Australians in voluntary work (up 0.9 percentage points).

#### Voluntary work across remoteness classes

- Across the three time periods, voluntary work in major cities was always below the national average. In contrast, volunteering in regional and remote areas of Australia was consistently higher than the national average, with remote Australia recording the highest rate across Australia in 2016 (29.2 per cent).
- The rate of people who do voluntary work increased in major cities, rising from 17.5 per cent in 2006 to 19.0 per cent in 2016.
- The volunteering rate in outer regional and very remote Australia fell marginally (by less than 1.0 percentage point) over the same period.

Table P 1.6.1.a People who do voluntary work through an organisation or group by remoteness class

| Remoteness Class | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|------------------|------------------|------------------|------------------|---|
| Major Cities     | 17.5             | 17.6             | 19.0             | 1.5   |
| Inner Regional   | 24.3             | 23.1             | 24.3             | 0.0   |
| Outer Regional   | 26.4             | 25.1             | 26.2             | -0.2  |
| Remote           | 28.9             | 27.4             | 29.2             | 0.3   |
| Very Remote      | 24.0             | 21.8             | 23.6             | -0.4  |
| AUSTRALIA        | 19.8             | 19.4             | 20.7             | 0.9   |

Source: ABS 2018, Customised report, Census of Population and Housing, Australia

Geography is based on the 2016 ASGS.

People who spent time doing unpaid voluntary work through an organisation or group, in the twelve months prior to Census night.

Data based on place of usual residence.

Calculation excludes Not Stated category from the denominator.

Persons aged 15 years and over.

#### Voluntary work across major urban areas

- In 2016, the highest rates of volunteering amongst Australia's major urban areas occurred in Bendigo (24.7 per cent) and Canberra - Queanbeyan (24.5 per cent). In contrast, the lowest rate of volunteering was recorded in Gold Coast - Tweed Heads (16.6 per cent).
- Greater Perth had the largest increase in the rate of volunteering across the 20 major urban areas, increasing 2.7 percentage points, from 16.7 per cent in 2006 to 19.4 per cent in 2016.
- A marginal decrease in volunteering occurred in Toowoomba (down 0.4 percentage points).

<sup>29</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

Table P 1.6.1.b People who do voluntary work through an organisation or group by major urban area

| Major Urban Area         | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--------------------------|------------------|------------------|------------------|---|
| Greater Sydney           | 16.6             | 16.5             | 18.0             | 1.4   |
| Greater Melbourne        | 17.3             | 17.2             | 19.0             | 1.7   |
| Greater Brisbane         | 19.3             | 20.3             | 20.1             | 0.8   |
| Greater Perth            | 16.7             | 17.0             | 19.4             | 2.7   |
| Greater Adelaide         | 19.6             | 19.0             | 20.8             | 1.2   |
| Gold Coast - Tweed Heads | 15.7             | 16.7             | 16.6             | 0.9   |
| Newcastle - Maitland     | 17.2             | 16.3             | 18.4             | 1.2   |
| Canberra - Queanbeyan    | 23.3             | 22.0             | 24.5             | 1.2   |
| Sunshine Coast           | 21.8             | 21.3             | 22.0             | 0.2   |
| Wollongong               | 17.9             | 17.7             | 19.3             | 1.4   |
| Geelong                  | 20.8             | 20.6             | 22.9             | 2.1   |
| Greater Hobart           | 21.3             | 20.4             | 22.6             | 1.3   |
| Townsville               | 19.7             | 18.3             | 20.3             | 0.6   |
| Cairns                   | 19.3             | 19.5             | 20.5             | 1.2   |
| Greater Darwin           | 20.3             | 19.7             | 20.3             | 0.0   |
| Toowoomba                | 23.4             | 22.5             | 23.0             | -0.4  |
| Ballarat                 | 23.1             | 22.1             | 23.8             | 0.7   |
| Bendigo                  | 24.2             | 22.8             | 24.7             | 0.5   |
| Albury - Wodonga         | 22.3             | 22.2             | 23.3             | 1.0   |
| Launceston               | 20.6             | 19.3             | 22.0             | 1.4   |

Source: ABS 2017, Customised report, Census of Population and Housing, Australia

The major urban areas of Sydney, Melbourne, Brisbane, Adelaide, Perth, Hobart and Darwin are based on the 2016 ASGS Greater Capital City Statistical Area (GCCSA) classification. All other major urban areas are based on the 2016 ASGS Significant Urban Area (SUA) classification.

People who spent time doing unpaid voluntary work through an organisation or group, in the twelve months prior to Census night.

Data based on place of usual residence.

Calculation excludes Not Stated category from the denominator.

Persons aged 15 years and over.

### Voluntary work across sub-state regions

- In 2016, the capital cities collectively recorded lower levels of volunteering than the rest of state regions, with volunteering rates of 19.3 per cent and 23.7 per cent respectively.
- The predominant trend across states and territories between 2006 and 2016 is towards increased rates of volunteering.
- The Statistical Area Level 4 region with the largest increase in the rate of volunteering was Perth - Inner (up 4.6 percentage points). Among Statistical Area Level 4 regions, the largest decrease in the rate of volunteering occurred in Wide Bay in Queensland with a decline of 1.7 percentage points.

Table P 1.6.1.c People who do voluntary work through an organisation or group by sub-state region

| Sub-State Region                       | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--|------------------|------------------|------------------|---|
| <b>New South Wales</b>                 | <b>19.0</b>      | <b>18.4</b>      | <b>19.7</b>      | <b>0.7</b>                                    |
| <b>Greater Sydney</b>                  | <b>16.6</b>      | <b>16.5</b>      | <b>18.0</b>      | <b>1.4</b>                                    |
| Central Coast                          | 18.4             | 17.3             | 18.7             | 0.3   |
| Sydney - Baulkham Hills and Hawkesbury | 21.1             | 20.9             | 22.8             | 1.7   |
| Sydney - Blacktown                     | 12.4             | 12.6             | 15.1             | 2.7   |
| Sydney - City and Inner South          | 15.8             | 16.6             | 18.1             | 2.3   |
| Sydney - Eastern Suburbs               | 18.7             | 19.7             | 21.4             | 2.7   |
| Sydney - Inner South West              | 11.9             | 11.8             | 13.2             | 1.3   |
| Sydney - Inner West                    | 16.7             | 16.9             | 18.6             | 1.9   |
| Sydney - North Sydney and Hornsby      | 24.0             | 24.4             | 26.0             | 2.0   |
| Sydney - Northern Beaches              | 21.4             | 21.5             | 23.5             | 2.1   |
| Sydney - Outer South West              | 15.4             | 14.6             | 16.0             | 0.6   |
| Sydney - Outer West and Blue Mountains | 17.4             | 16.5             | 18.1             | 0.7   |
| Sydney - Parramatta                    | 13.4             | 13.3             | 14.5             | 1.1   |
| Sydney - Ryde                          | 21.5             | 21.3             | 22.4             | 0.9   |
| Sydney - South West                    | 9.4              | 9.2              | 10.8             | 1.4   |
| Sydney - Sutherland                    | 18.7             | 18.6             | 20.1             | 1.4   |
| <b>Rest of New South Wales</b>         | <b>22.9</b>      | <b>21.8</b>      | <b>22.9</b>      | <b>0.0</b>                                    |
| Capital Region                         | 25.6             | 24.6             | 25.6             | 0.0   |
| Central West                           | 25.3             | 24.0             | 25.2             | -0.1  |
| Coffs Harbour - Grafton                | 24.5             | 22.5             | 23.0             | -1.5  |
| Far West and Orana                     | 25.4             | 24.2             | 24.4             | -1.0  |
| Hunter Valley exc Newcastle            | 19.5             | 17.8             | 19.3             | -0.2  |
| Illawarra                              | 18.3             | 18.0             | 19.6             | 1.3   |
| Mid North Coast                        | 23.6             | 22.2             | 22.8             | -0.8  |
| Murray                                 | 27.1             | 26.8             | 27.9             | 0.8   |
| New England and North West             | 27.7             | 26.5             | 27.4             | -0.3  |
| Newcastle and Lake Macquarie           | 17.8             | 17.1             | 19.5             | 1.7   |
| Richmond - Tweed                       | 24.1             | 23.1             | 23.7             | -0.4  |
| Riverina                               | 26.1             | 25.0             | 26.1             | 0.0   |
| Southern Highlands and Shoalhaven      | 24.4             | 22.9             | 23.3             | -1.1  |
| <b>Victoria</b>                        | <b>19.7</b>      | <b>19.3</b>      | <b>20.8</b>      | <b>1.1</b>                                    |
| <b>Greater Melbourne</b>               | <b>17.3</b>      | <b>17.2</b>      | <b>19.0</b>      | <b>1.7</b>                                    |
| Melbourne - Inner                      | 19.4             | 20.4             | 22.2             | 2.8   |
| Melbourne - Inner East                 | 22.3             | 22.3             | 24.4             | 2.1   |
| Melbourne - Inner South                | 20.3             | 20.3             | 22.9             | 2.6   |
| Melbourne - North East                 | 15.4             | 15.5             | 17.2             | 1.8   |
| Melbourne - North West                 | 13.0             | 13.1             | 14.7             | 1.7   |
| Melbourne - Outer East                 | 20.3             | 20.2             | 22.1             | 1.8   |
| Melbourne - South East                 | 15.1             | 14.6             | 16.2             | 1.1   |
| Melbourne - West                       | 12.6             | 12.6             | 14.8             | 2.2   |
| Mornington Peninsula                   | 18.4             | 17.8             | 19.4             | 1.0   |
| <b>Rest of Victoria</b>                | <b>26.7</b>      | <b>25.5</b>      | <b>26.9</b>      | <b>0.2</b>                                    |
| Ballarat                               | 25.0             | 24.0             | 25.4             | 0.4   |

(continued)

## People who do voluntary work through an organisation or group by sub-state region (continued)

| Sub-State Region                     | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|--------------------------------------|------------------|------------------|------------------|---|
| Bendigo                              | 26.8             | 25.7             | 27.6             | 0.8   |
| Geelong                              | 21.6             | 21.2             | 23.5             | 1.9   |
| Hume                                 | 28.5             | 27.7             | 28.7             | 0.2   |
| Latrobe - Gippsland                  | 27.0             | 24.9             | 26.1             | -0.9  |
| North West                           | 31.5             | 30.2             | 31.0             | -0.5  |
| Shepparton                           | 25.7             | 24.5             | 25.4             | -0.3  |
| Warrnambool and South West           | 31.0             | 29.8             | 31.6             | 0.6   |
| <b>Queensland</b>                    | <b>20.3</b>      | <b>20.4</b>      | <b>20.6</b>      | <b>0.3</b>                                    |
| <b>Greater Brisbane</b>              | <b>19.3</b>      | <b>20.3</b>      | <b>20.1</b>      | <b>0.8</b>                                    |
| Brisbane - East                      | 18.8             | 19.8             | 19.7             | 0.9   |
| Brisbane - North                     | 19.4             | 20.4             | 20.2             | 0.8   |
| Brisbane - South                     | 19.5             | 21.0             | 20.8             | 1.3   |
| Brisbane - West                      | 24.8             | 26.6             | 26.5             | 1.7   |
| Brisbane Inner City                  | 21.4             | 24.0             | 23.4             | 2.0   |
| Ipswich                              | 18.1             | 19.0             | 18.5             | 0.4   |
| Logan - Beaudesert                   | 15.5             | 16.0             | 16.1             | 0.6   |
| Moreton Bay - North                  | 18.1             | 17.3             | 17.4             | -0.7  |
| Moreton Bay - South                  | 20.2             | 20.4             | 20.5             | 0.3   |
| <b>Rest of Queensland</b>            | <b>21.2</b>      | <b>20.5</b>      | <b>21.2</b>      | <b>0.0</b>                                    |
| Cairns                               | 21.1             | 20.8             | 21.8             | 0.7   |
| Darling Downs - Maranoa              | 28.5             | 27.5             | 28.3             | -0.2  |
| Central Queensland                   | 23.4             | 22.0             | 23.2             | -0.2  |
| Gold Coast                           | 15.8             | 16.7             | 16.6             | 0.8   |
| Mackay - Isaac - Whitsunday          | 20.4             | 18.7             | 21.5             | 1.1   |
| Queensland - Outback                 | 26.3             | 24.4             | 25.6             | -0.7  |
| <i>Far North</i>                     | 24.6             | 22.5             | 22.1             | -2.5  |
| <i>Outback - North</i>               | 22.3             | 21.1             | 23.2             | 0.9   |
| <i>Outback - South</i>               | 33.8             | 31.9             | 34.8             | 1.0   |
| Sunshine Coast                       | 22.3             | 21.8             | 22.4             | 0.1   |
| Toowoomba                            | 23.6             | 22.9             | 23.1             | -0.5  |
| Townsville                           | 20.6             | 19.3             | 21.1             | 0.5   |
| Wide Bay                             | 23.2             | 21.5             | 21.5             | -1.7  |
| <b>South Australia</b>               | <b>22.1</b>      | <b>21.2</b>      | <b>23.0</b>      | <b>0.9</b>                                    |
| <b>Greater Adelaide</b>              | <b>19.6</b>      | <b>19.0</b>      | <b>20.8</b>      | <b>1.2</b>                                    |
| Adelaide - Central and Hills         | 24.7             | 24.2             | 26.3             | 1.6   |
| Adelaide - North                     | 15.9             | 15.3             | 16.9             | 1.0   |
| Adelaide - South                     | 21.4             | 20.4             | 22.4             | 1.0   |
| Adelaide - West                      | 16.3             | 16.2             | 18.2             | 1.9   |
| <b>Rest of South Australia</b>       | <b>30.8</b>      | <b>29.1</b>      | <b>30.6</b>      | <b>-0.2</b>                                   |
| Barossa - Yorke - Mid North          | 33.2             | 30.9             | 32.8             | -0.4  |
| South Australia - Outback            | 28.8             | 26.6             | 28.8             | 0.0   |
| <i>Eyre Peninsula and South West</i> | 31.4             | 29.0             | 31.4             | 0.0   |
| <i>Outback - North and East</i>      | 23.2             | 21.5             | 22.7             | -0.5  |
| South Australia - South East         | 30.3             | 29.1             | 30.1             | -0.2  |

(continued)

## People who do voluntary work through an organisation or group by sub-state region (continued)

| Sub-State Region                    | 2006<br>per cent | 2011<br>per cent | 2016<br>per cent | 2006 - 2016<br>change<br>percentage<br>points |
|-------------------------------------|------------------|------------------|------------------|---|
| <b>Western Australia</b>            | <b>18.7</b>      | <b>18.6</b>      | <b>20.8</b>      | <b>2.1</b>                                    |
| <b>Greater Perth</b>                | <b>16.7</b>      | <b>17.0</b>      | <b>19.4</b>      | <b>2.7</b>                                    |
| Mandurah                            | 16.9             | 16.4             | 18.0             | 1.1   |
| Perth - Inner                       | 22.8             | 23.7             | 27.4             | 4.6   |
| Perth - North East                  | 15.8             | 15.9             | 18.0             | 2.2   |
| Perth - North West                  | 15.6             | 16.0             | 18.5             | 2.9   |
| Perth - South East                  | 16.1             | 16.5             | 18.9             | 2.8   |
| Perth - South West                  | 16.7             | 16.8             | 19.0             | 2.3   |
| <b>Rest of Western Australia</b>    | <b>25.9</b>      | <b>24.4</b>      | <b>26.6</b>      | <b>0.7</b>                                    |
| Bunbury                             | 23.8             | 23.6             | 25.9             | 2.1   |
| Western Australia - Wheat Belt      | 32.2             | 30.8             | 32.0             | -0.2  |
| Western Australia - Outback (North) | 21.6             | 19.2             | 21.6             | 0.0   |
| <i>Kimberley</i>                    | 21.7             | 20.5             | 22.9             | 1.2   |
| <i>East Pilbara</i>                 | 20.0             | 16.9             | 19.3             | -0.7  |
| <i>West Pilbara</i>                 | 22.8             | 19.7             | 22.1             | -0.7  |
| Western Australia - Outback (South) | 23.7             | 22.0             | 24.6             | 0.9   |
| <i>Esperance</i>                    | 29.3             | 29.5             | 32.9             | 3.6   |
| <i>Gascoyne</i>                     | 27.5             | 25.9             | 28.7             | 1.2   |
| <i>Goldfields</i>                   | 17.9             | 16.9             | 19.0             | 1.1   |
| <i>Mid West</i>                     | 25.3             | 22.9             | 25.4             | 0.1   |
| <b>Tasmania</b>                     | <b>22.0</b>      | <b>21.0</b>      | <b>23.1</b>      | <b>1.1</b>                                    |
| <b>Greater Hobart</b>               | <b>21.3</b>      | <b>20.4</b>      | <b>22.6</b>      | <b>1.3</b>                                    |
| <b>Rest of Tasmania</b>             | <b>22.6</b>      | <b>21.4</b>      | <b>23.5</b>      | <b>0.9</b>                                    |
| Launceston and North East           | 22.4             | 21.0             | 23.4             | 1.0   |
| South East                          | 23.7             | 23.1             | 24.8             | 1.1   |
| West and North West                 | 22.4             | 21.3             | 23.2             | 0.8   |
| <b>Northern Territory</b>           | <b>19.8</b>      | <b>19.2</b>      | <b>20.3</b>      | <b>0.5</b>                                    |
| <b>Greater Darwin</b>               | <b>20.3</b>      | <b>19.7</b>      | <b>20.3</b>      | <b>0.0</b>                                    |
| <b>Rest of Northern Territory</b>   | <b>19.3</b>      | <b>18.7</b>      | <b>20.3</b>      | <b>1.0</b>                                    |
| Northern Territory - Outback        | 19.3             | 18.7             | 20.3             | 1.0   |
| <i>Alice Springs</i>                | 21.9             | 21.3             | 22.4             | 0.5   |
| <i>Barkly</i>                       | 15.4             | 14.8             | 18.7             | 3.3   |
| <i>Daly - Tiwi - West Arnhem</i>    | 12.7             | 12.9             | 14.5             | 1.8   |
| <i>East Arnhem</i>                  | 21.3             | 20.9             | 24.8             | 3.5   |
| <i>Katherine</i>                    | 18.5             | 17.9             | 18.5             | 0.0   |
| <b>Australian Capital Territory</b> | <b>23.9</b>      | <b>22.5</b>      | <b>24.9</b>      | <b>1.0</b>                                    |
| <b>Australian Capital Cities</b>    | <b>17.8</b>      | <b>17.8</b>      | <b>19.3</b>      | <b>1.5</b>                                    |
| <b>Australian Rest of States</b>    | <b>23.7</b>      | <b>22.6</b>      | <b>23.7</b>      | <b>0.1</b>                                    |

Source: ABS 2017, Customised report, Census of Population and Housing, Australia

Sub-state regions are SA4 (2016 ASGS), italicised regions are SA3 (2016 ASGS).

People who spent time doing unpaid voluntary work through an organisation or group, in the twelve months prior to Census night.

Data based on place of usual residence.

Calculation excludes Not Stated category from the denominator.

Persons aged 15 years and over.

## P 1.7 Fair opportunity

### P 1.7.1 Equivalised disposable household income for low and middle income households

The disposable household income of low and middle income households is an indicator of material living standards. The amount of disposable household income that low and middle income households have to spend is an important part of the aspiration for a fair go.

Disposable household income may be spent on the consumption of goods and services or may be set aside as savings for future consumption or investment. For most people, the level of income that they and other family members receive is a major part of a household's economic resources. People living in households with low income will be less likely to have sufficient economic resources to support an acceptable material standard of household living.<sup>30</sup>

This indicator has been adjusted to take into account household size and composition (equivalised),<sup>31</sup> and has been converted to real terms.

- Disposable weekly household incomes for low and middle income households in Australia increased by \$22 between 2013-14 and 2017-18.

#### *Equivalised disposable household income for low and middle income households across remoteness classes*

- Disposable weekly household incomes increased in three of the four reported remoteness classes and grew most strongly in outer regional Australia, by \$28 per week between 2013-14 and 2017-18.
- Disposable weekly household income decreased in remote Australia, by \$9 per week.

Table P 1.7.1.a *Equivalised disposable household income for low and middle income households by remoteness class*

|                         | 2013-14**               | 2015-16 (a)             | 2017-18 (a)             | 2013-14 -<br>2017-18<br>change<br>\$ weekly<br>(real) |
|-------------------------|-------------------------|-------------------------|-------------------------|---|
| <b>Remoteness Class</b> | <b>\$ weekly (real)</b> | <b>\$ weekly (real)</b> | <b>\$ weekly (real)</b> |   |
| Major Cities            | 531                     | 547                     | 554                     | 23  |
| Inner Regional          | 527                     | 538                     | 548                     | 21  |
| Outer Regional          | 522                     | 548                     | 550                     | 28  |
| Remote                  | 539                     | 552                     | 530                     | -9  |
| <b>AUSTRALIA</b>        | <b>529</b>              | <b>545</b>              | <b>551</b>              | <b>22</b>   |

Source: ABS 2019, Customised report, Household Income and Wealth, Australia, 2017-18 (cat. no. 6523.0); and ABS Consumer Price Index, Australia, Jun 2018 (cat. no. 6401.0)

\*\* Remoteness Area classification and Australian totals for 2013-14 are based on the 2011 ASGS. Remoteness Area classification and Australian totals for 2015-16 and 2017-18 are based on the 2016 ASGS.

Data converted to real terms using CPI weighted average of eight capital cities. Reference year is 2017-18.

Low and middle income households are those that fall in the second and third deciles of the income distribution. This is a measure of equivalised disposable household income, calculated by adjusting disposable income using an equivalence scale—this adjustment reflects the requirement for a larger household to have a higher level of income to achieve the same standard of living as a smaller household.

(a) Cells in this table containing 2015-16 & 2017-18 data have been randomly adjusted (by perturbation) to avoid the release of confidential data. Discrepancies may occur between sums of the component items and totals. See Explanatory Notes of Household Income and Wealth, Australia, 2015-16 (cat. no. 6523.0) for more information.

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

<sup>30</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

<sup>31</sup> ABS 2019, *Household Income and Income Distribution, Australia, 2017-18* (cat. no. 6523.0), Canberra.



### *Equivalised disposable household income for low and middle income households across sub-state regions*

- In 2017-18, of the states and territories, the Northern Territory had the highest disposable weekly income for low and middle income households (\$569), while New South Wales had the lowest (\$548).
- Of the sub-state regions, Sydney - Outer South West had the highest (\$608) while Queensland - Outback had the lowest (\$470).
- Disposable weekly incomes for low and middle income households grew across all Australian states and territories between 2013-14 and 2017-18, with growth strongest in the Northern Territory (an additional \$46 per week), followed by the Australian Capital Territory (\$36) and Tasmania (\$29). The smallest increase occurred in Victoria (\$19).
- Across the sub-state regions, growth in disposable weekly income for low and middle income households displayed substantial variability between 2013-14 and 2017-18. The largest increases occurred in Mandurah in Western Australia (an additional \$87 per week), followed by Sydney - Eastern Suburbs (\$74).
- A number of sub-state regions experienced falling incomes over this period. The largest decline occurred in Sydney - Sutherland (a decline of \$50 per week)<sup>32</sup>, followed by Far West and Orana (\$37).

<sup>32</sup> The 2017-18 estimate has a relative standard error of 25 per cent to 50 per cent and should be used with caution.

Table P 1.7.1.b *Equivalised disposable household income for low and middle income households by sub-state region*

| <i>Sub-State Region</i>                | <i>2013-14<br/>\$ weekly (real)</i> | <i>2015-16 (a)<br/>\$ weekly (real)</i> | <i>2017-18 (a)<br/>\$ weekly (real)</i> | <i>2013-14 -<br/>2017-18<br/>change<br/>\$ weekly<br/>(real)</i> |
|--|-------------------------------------|---|---|--|
| <b>New South Wales</b>                 | <b>524</b>                          | <b>539</b>                              | <b>548</b>                              | <b>24</b>  |
| <b>Greater Sydney</b>                  | <b>528</b>                          | <b>544</b>                              | <b>551</b>                              | <b>24</b>  |
| Central Coast                          | 535                                 | 546                                     | 547                                     | 12   |
| Sydney - Baulkham Hills and Hawkesbury | 480                                 | 545                                     | 530                                     | 49   |
| Sydney - Blacktown                     | 537                                 | 543                                     | 561                                     | 25   |
| Sydney - City and Inner South          | 535                                 | 519                                     | 567                                     | 32   |
| Sydney - Eastern Suburbs               | 519                                 | 542                                     | 593                                     | 74   |
| Sydney - Inner South West              | 522                                 | 546                                     | 540                                     | 18   |
| Sydney - Inner West                    | 503                                 | 521                                     | 572                                     | 69   |
| Sydney - North Sydney and Hornsby      | 540                                 | 526                                     | 532                                     | -9   |
| Sydney - Northern Beaches              | 543                                 | 548                                     | 514                                     | -30  |
| Sydney - Outer South West              | 555                                 | 548                                     | 608                                     | 53   |
| Sydney - Outer West and Blue Mountains | 511                                 | 540                                     | 567                                     | 56   |
| Sydney - Parramatta                    | 523                                 | 552                                     | 540                                     | 17   |
| Sydney - Ryde                          | 535                                 | 572                                     | 528                                     | -8   |
| Sydney - South West                    | 526                                 | 530                                     | 551                                     | 25   |
| Sydney - Sutherland                    | 532                                 | 549                                     | *483                                    | -50  |
| <b>Rest of New South Wales</b>         | <b>519</b>                          | <b>532</b>                              | <b>543</b>                              | <b>23</b>  |
| Capital Region                         | 517                                 | 545                                     | 569                                     | 53   |
| Central West                           | 521                                 | 542                                     | 533                                     | 12   |
| Coffs Harbour - Grafton                | 539                                 | 567                                     | 517                                     | -22  |
| Far West and Orana                     | 546                                 | 500                                     | 509                                     | -37  |
| Hunter Valley exc Newcastle            | 488                                 | 529                                     | 553                                     | 65   |
| Illawarra                              | 508                                 | 518                                     | 562                                     | 54   |
| Mid North Coast                        | 488                                 | 493                                     | 522                                     | 33   |
| Murray                                 | 513                                 | 552                                     | 512                                     | -2   |
| New England and North West             | 508                                 | 554                                     | 539                                     | 31   |
| Newcastle and Lake Macquarie           | 544                                 | 550                                     | 525                                     | -19  |
| Richmond - Tweed                       | 515                                 | 526                                     | 573                                     | 59   |
| Riverina                               | 577                                 | 541                                     | 577                                     | -1   |
| Southern Highlands and Shoalhaven      | 525                                 | 564                                     | 501                                     | -24  |
| <b>Victoria</b>                        | <b>533</b>                          | <b>547</b>                              | <b>552</b>                              | <b>19</b>  |
| <b>Greater Melbourne</b>               | <b>536</b>                          | <b>551</b>                              | <b>552</b>                              | <b>17</b>  |
| Melbourne - Inner                      | 515                                 | 541                                     | 567                                     | 52   |
| Melbourne - Inner East                 | 535                                 | 547                                     | 505                                     | -30  |
| Melbourne - Inner South                | 513                                 | 575                                     | 549                                     | 36   |
| Melbourne - North East                 | 547                                 | 524                                     | 564                                     | 17   |
| Melbourne - North West                 | 553                                 | 558                                     | 549                                     | -4   |
| Melbourne - Outer East                 | 538                                 | 560                                     | 560                                     | 22   |
| Melbourne - South East                 | 533                                 | 561                                     | 548                                     | 15   |
| Melbourne - West                       | 545                                 | 547                                     | 551                                     | 5  |
| Mornington Peninsula                   | 518                                 | 537                                     | 566                                     | 48   |
| <b>Rest of Victoria</b>                | <b>528</b>                          | <b>539</b>                              | <b>552</b>                              | <b>23</b>  |
| Ballarat                               | 513                                 | 537                                     | 533                                     | 20   |

(continued)

*Equivalised disposable household income for low and middle income households by sub-state region (continued)*

| <b>Sub-State Region</b>        | <b>2013-14<br/>\$ weekly (real)</b> | <b>2015-16 (a)<br/>\$ weekly (real)</b> | <b>2017-18 (a)<br/>\$ weekly (real)</b> | <b>2013-14 -<br/>2017-18<br/>change<br/>\$ weekly<br/>(real)</b> |
|--------------------------------|-------------------------------------|---|---|--|
| Bendigo                        | 532                                 | 546                                     | 558                                     | 26   |
| Geelong                        | 536                                 | 539                                     | 555                                     | 20   |
| Hume                           | 528                                 | 526                                     | 577                                     | 50   |
| Latrobe - Gippsland            | 533                                 | 545                                     | 536                                     | 3  |
| North West                     | 531                                 | 554                                     | 556                                     | 24   |
| Shepparton                     | 542                                 | 538                                     | 559                                     | 18   |
| Warrnambool and South West     | 490                                 | 530                                     | 542                                     | 52   |
| <b>Queensland</b>              | <b>531</b>                          | <b>551</b>                              | <b>551</b>                              | <b>20</b>  |
| <b>Greater Brisbane</b>        | <b>529</b>                          | <b>550</b>                              | <b>549</b>                              | <b>20</b>  |
| Brisbane - East                | 525                                 | 568                                     | 558                                     | 34   |
| Brisbane - North               | 507                                 | 545                                     | 536                                     | 28   |
| Brisbane - South               | 540                                 | 509                                     | 522                                     | -18  |
| Brisbane - West                | 531                                 | 585                                     | 546                                     | 15   |
| Brisbane Inner City            | 516                                 | 572                                     | 515                                     | -1   |
| Ipswich                        | 528                                 | 561                                     | 540                                     | 12   |
| Logan - Beaudesert             | 540                                 | 555                                     | 566                                     | 26   |
| Moreton Bay - North            | 520                                 | 545                                     | 538                                     | 18   |
| Moreton Bay - South            | 556                                 | 526                                     | 591                                     | 35   |
| <b>Rest of Queensland</b>      | <b>532</b>                          | <b>550</b>                              | <b>551</b>                              | <b>19</b>  |
| Cairns                         | 529                                 | 554                                     | 538                                     | 10   |
| Darling Downs - Maranoa        | 532                                 | 561                                     | 553                                     | 22   |
| Central Queensland             | 551                                 | 565                                     | 524                                     | -28  |
| Gold Coast                     | 529                                 | 559                                     | 558                                     | 29   |
| Mackay - Isaac - Whitsunday    | 496                                 | 571                                     | 535                                     | 39   |
| Queensland - Outback           | n.p.                                | n.p.                                    | 470                                     | n.a.   |
| Sunshine Coast                 | 541                                 | 547                                     | 578                                     | 37   |
| Toowoomba                      | 542                                 | 565                                     | 531                                     | -11  |
| Townsville                     | 524                                 | 557                                     | 545                                     | 21   |
| Wide Bay                       | 533                                 | 533                                     | 541                                     | 7  |
| <b>South Australia</b>         | <b>530</b>                          | <b>544</b>                              | <b>550</b>                              | <b>20</b>  |
| <b>Greater Adelaide</b>        | <b>533</b>                          | <b>545</b>                              | <b>552</b>                              | <b>19</b>  |
| Adelaide - Central and Hills   | 522                                 | 546                                     | 548                                     | 26   |
| Adelaide - North               | 530                                 | 542                                     | 558                                     | 28   |
| Adelaide - South               | 539                                 | 552                                     | 549                                     | 10   |
| Adelaide - West                | 541                                 | 540                                     | 542                                     | 1  |
| <b>Rest of South Australia</b> | <b>520</b>                          | <b>544</b>                              | <b>543</b>                              | <b>24</b>  |
| Barossa - Yorke - Mid North    | 513                                 | 552                                     | 545                                     | 32   |
| South Australia - Outback      | 522                                 | 536                                     | 548                                     | 26   |
| South Australia - South East   | 524                                 | 540                                     | 541                                     | 17   |
| <b>Western Australia</b>       | <b>532</b>                          | <b>549</b>                              | <b>560</b>                              | <b>27</b>  |
| <b>Greater Perth</b>           | <b>534</b>                          | <b>548</b>                              | <b>562</b>                              | <b>28</b>  |
| Mandurah                       | 502                                 | 562                                     | 589                                     | 87   |
| Perth - Inner                  | 512                                 | 523                                     | 583                                     | 71   |
| Perth - North East             | 542                                 | 556                                     | 566                                     | 24   |

(continued)

*Equivalised disposable household income for low and middle income households by sub-state region (continued)*

| <b>Sub-State Region</b>             | <b>2013-14<br/>\$ weekly (real)</b> | <b>2015-16 (a)<br/>\$ weekly (real)</b> | <b>2017-18 (a)<br/>\$ weekly (real)</b> | <b>2013-14 -<br/>2017-18<br/>change<br/>\$ weekly<br/>(real)</b> |
|-------------------------------------|-------------------------------------|---|---|--|
| Perth - North West                  | 521                                 | 548                                     | 571                                     | 50   |
| Perth - South East                  | 545                                 | 539                                     | 559                                     | 14   |
| Perth - South West                  | 545                                 | 535                                     | 554                                     | 9  |
| <b>Rest of Western Australia</b>    | <b>528</b>                          | <b>551</b>                              | <b>551</b>                              | <b>23</b>  |
| Bunbury                             | 516                                 | 543                                     | 565                                     | 49   |
| Western Australia - Wheat Belt      | 528                                 | 547                                     | 544                                     | 16   |
| Western Australia - Outback North   | n.p.                                | 603                                     | 509                                     | n.a.   |
| Western Australia - Outback South   | n.p.                                | 562                                     | 530                                     | n.a.   |
| <b>Tasmania</b>                     | <b>523</b>                          | <b>544</b>                              | <b>552</b>                              | <b>29</b>  |
| <b>Greater Hobart</b>               | <b>527</b>                          | <b>549</b>                              | <b>560</b>                              | <b>33</b>  |
| <b>Rest of Tasmania</b>             | <b>520</b>                          | <b>541</b>                              | <b>548</b>                              | <b>28</b>  |
| Launceston and North East           | 517                                 | 539                                     | 541                                     | 24   |
| South East                          | 526                                 | 538                                     | 560                                     | 35   |
| West and North West                 | 522                                 | 542                                     | 554                                     | 33   |
| <b>Northern Territory</b>           | <b>523</b>                          | <b>556</b>                              | <b>569</b>                              | <b>46</b>  |
| <b>Greater Darwin</b>               | <b>521</b>                          | <b>554</b>                              | <b>567</b>                              | <b>45</b>  |
| <b>Rest of Northern Territory</b>   | <b>536</b>                          | <b>570</b>                              | <b>570</b>                              | <b>34</b>  |
| Northern Territory - Outback        | 536                                 | 570                                     | 570                                     | 34   |
| <b>Australian Capital Territory</b> | <b>529</b>                          | <b>570</b>                              | <b>565</b>                              | <b>36</b>  |
| <b>Australian Capital Cities</b>    | <b>531</b>                          | <b>548</b>                              | <b>553</b>                              | <b>22</b>  |
| <b>Australian Rest of States</b>    | <b>525</b>                          | <b>541</b>                              | <b>548</b>                              | <b>23</b>  |

Source: ABS 2019, Customised report, Household Income and Wealth, Australia, 2017-18 (cat. no. 6523.0); and ABS Consumer Price Index, Australia, Jun 2018 (cat. no. 6401.0)

Geography is based on the 2016 ASGS.

Data converted to real terms using CPI weighted average of eight capital cities. Reference year is 2017-18.

Low and middle income households are those that fall in the second and third deciles of the income distribution. This is a measure of equivalised disposable household income, calculated by adjusting disposable income using an equivalence scale—this adjustment reflects the requirement for a larger household to have a higher level of income to achieve the same standard of living as a smaller household.

(a) Cells in this table containing 2015-16 & 2017-18 data have been randomly adjusted (by perturbation) to avoid the release of confidential data. Discrepancies may occur between sums of the component items and totals. See Explanatory Notes of Household Income and Wealth, Australia, 2015-16 (cat. no. 6523.0) for more information.

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

\* Estimate has a relative standard error of 25% to 50% and should be used with caution.

n.p. Not published.

n.a. Not available.

## P 1.8 Enriched lives

### P 1.8.1 Unpaid help

The proportion of people who provided unpaid help to others living outside the household is an indicator for progress because helping others and being concerned for others' wellbeing are important aspects of enriched lives.

Measuring the proportion of people who provide unpaid help goes some way to revealing how people are helping and showing kindness to others. Some of the other measures of participating in society, such as volunteering, are also indicators in the society domain.<sup>33</sup>

- Between 2006 and 2014, the proportion of Australians who provided unpaid help fell 2.7 percentage points from 49.1 per cent to 46.4 per cent.

#### *Unpaid help across remoteness classes*

- All reported remoteness classes saw a decline in the rate of unpaid help between 2006 and 2014.
- The largest decline was in the combined outer regional and remote areas, down by 6.5 percentage points. Major cities on the other hand experienced a relatively small decline in the rate of unpaid help, down by 2.5 percentage points.

*Table P 1.8.1.a People who provided unpaid help to others living outside the household by remoteness class*

| <b>Remoteness Class</b>   | <b>2006<br/>per cent</b> | <b>2010<br/>per cent</b> | <b>2014<br/>per cent</b> | <b>2006 - 2014<br/>change<br/>percentage<br/>points</b> |
|---------------------------|--------------------------|--------------------------|--------------------------|---|
| Major Cities              | 48.2                     | 47.8                     | 45.7                     | -2.5  |
| Inner Regional            | 51.2                     | 53.2                     | 47.5                     | -3.7  |
| Outer Regional and Remote | 50.7                     | 48.4                     | 44.2                     | -6.5  |
| <b>AUSTRALIA</b>          | <b>49.1</b>              | <b>48.9</b>              | <b>46.4</b>              | <b>-2.7</b>   |

Source: ABS 2017, Customised report, General Social Survey: Summary Results, Australia, 2014 (cat. no. 4159.0)

Remoteness Area classification is based on the 2011 ASGS.

Remoteness area estimates exclude very remote areas as the General Social Survey was not conducted in very remote parts of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, except the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

Persons 18 years or over who provided unpaid help outside the household in the last four weeks prior to interview.

#### *Unpaid help across capital cities and balance of state*

- There have been declining rates of unpaid help across five of the eight Australian capital cities from 2006 to 2014, with a decline of 2.0 percentage points overall.
- The largest declines among capital city and rest of state areas were recorded in Greater Darwin (down by 13.1 percentage points) followed by rest of Queensland and Greater Brisbane (down by 11.2 and 10.0 percentage points respectively).
- The rate of unpaid help did increase in some parts of Australia. For example, the rate increased in both the capital and rest of state areas of South Australia and Tasmania.

<sup>33</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

Table P 1.8.1.b People who provided unpaid help to others living outside the household by capital city/balance of state

| Capital City / Balance of State     | 2006<br>per cent | 2010<br>per cent | 2014<br>per cent | 2006 - 2014<br>change<br>percentage<br>points |
|-------------------------------------|------------------|------------------|------------------|---|
| <b>New South Wales</b>              | <b>45.4</b>      | <b>45.9</b>      | <b>44.8</b>      | <b>-0.6</b>                                   |
| Greater Sydney                      | 44.1             | 41.0             | 42.8             | -1.3  |
| Rest of New South Wales             | 47.5             | 54.1             | 48.0             | 0.5   |
| <b>Victoria</b>                     | <b>49.1</b>      | <b>48.6</b>      | <b>49.5</b>      | <b>0.4</b>                                    |
| Greater Melbourne                   | 47.1             | 47.9             | 49.2             | 2.1   |
| Rest of Victoria                    | 54.4             | 50.6             | 51.2             | -3.2  |
| <b>Queensland</b>                   | <b>54.3</b>      | <b>51.7</b>      | <b>43.4</b>      | <b>-10.9</b>                                  |
| Greater Brisbane                    | 53.6             | 53.2             | 43.6             | -10.0   |
| Rest of Queensland                  | 54.9             | 50.5             | 43.7             | -11.2   |
| <b>South Australia</b>              | <b>46.0</b>      | <b>52.2</b>      | <b>49.8</b>      | <b>3.8</b>                                    |
| Greater Adelaide                    | 47.3             | 52.4             | 50.5             | 3.2   |
| Rest of South Australia             | 41.9             | 51.8             | 46.2             | 4.3   |
| <b>Western Australia</b>            | <b>53.4</b>      | <b>50.1</b>      | <b>46.7</b>      | <b>-6.7</b>                                   |
| Greater Perth                       | 53.0             | 50.1             | 45.5             | -7.5  |
| Rest of Western Australia           | 55.0             | 50.0             | 51.4             | -3.6  |
| <b>Tasmania</b>                     | <b>48.2</b>      | <b>51.1</b>      | <b>50.6</b>      | <b>2.4</b>                                    |
| Greater Hobart                      | 50.9             | 51.7             | 52.1             | 1.2   |
| Rest of Tasmania                    | 46.3             | 50.7             | 48.8             | 2.5   |
| <b>Northern Territory</b>           | <b>51.5</b>      | <b>53.6</b>      | <b>40.9</b>      | <b>-10.6</b>                                  |
| Greater Darwin                      | 52.0             | 54.0             | 38.9             | -13.1   |
| Rest of Northern Territory          | 50.3             | 52.0             | 46.4             | -3.9  |
| <b>Australian Capital Territory</b> | <b>55.1</b>      | <b>53.2</b>      | <b>49.9</b>      | <b>-5.2</b>                                   |
| <b>Australian Capital Cities</b>    | <b>48.0</b>      | <b>47.4</b>      | <b>46.0</b>      | <b>-2.0</b>                                   |
| <b>Australian Rest of States</b>    | <b>51.1</b>      | <b>51.8</b>      | <b>47.2</b>      | <b>-3.9</b>                                   |

Source: ABS 2017, Customised report, General Social Survey: Summary Results, Australia, 2014 (cat. no. 4159.0)

Excludes very remote areas of Australia. This is unlikely to affect national estimates, and will only have a minor effect on aggregate estimates produced for individual states and territories, excepting the Northern Territory where the population living in very remote areas accounts for around 20% of persons.

Persons 18 years or over who provided unpaid help outside the household in the last four weeks prior to interview.

## P 1.8.2 Attendance at cultural venues and events

Participation in cultural activities can bring depth and joy to people's lives, and clarify our values and identity as individuals and as a nation.

The attendance rates at cultural venues and events is an indicator of progress in enriched lives because, by directly measuring people's involvement in these recreational activities, it provides an insight into how important these activities are to Australians.<sup>34</sup>

- The attendance rate at cultural venues and events for Australia overall increased by 1.4 percentage points between 2005-06 and 2013-14. The increase was driven by Australian capital cities which recorded an increase of 1.9 percentage points, compared to rest of state areas with an increase of 0.4 percentage points.

### *Attendance at cultural events across capital cities and balance of state*

- Among the states and territories, the largest fall in the attendance rate for cultural venues and events was recorded in the Northern Territory (down 8.9 percentage points), while the Australian Capital Territory recorded the largest increase (up 3.8 percentage points).
- The attendance rate increased in most capital cities and rest of state areas of Australia. The few exceptions were Greater Brisbane (down by 1.1 percentage points), the rest of Queensland (down by 0.8 percentage points) and Greater Perth (down by 1.0 percentage point).
- Attendance at cultural events increased in all remaining capital and rest of state regions for which data is reported. The largest increase occurred in Greater Melbourne (up by 4.1 percentage points), followed by the rest of Tasmania (up 3.9 percentage points).

<sup>34</sup> Adapted from ABS 2013, *Measures of Australia's Progress* (cat. no. 1370.0), Canberra.

Table P 1.8.2.a Attendance rate for cultural venues and events by capital city/balance of state

| Capital City / Balance of State     | 2005-06<br>per cent | 2009-10<br>per cent | 2013-14<br>per cent | 2005-06 -<br>2013-14<br>change<br>percentage<br>points |
|-------------------------------------|---------------------|---------------------|---------------------|--|
| <b>New South Wales</b>              | <b>82.9</b>         | <b>83.2</b>         | <b>84.6</b>         | <b>1.7</b>   |
| Greater Sydney                      | 84.4                | 85.0                | 86.5                | 2.1  |
| Rest of New South Wales             | 80.2                | 80.0                | 81.2                | 1.0  |
| <b>Victoria</b>                     | <b>84.9</b>         | <b>87.2</b>         | <b>88.5</b>         | <b>3.6</b>   |
| Greater Melbourne                   | 85.5                | 88.3                | 89.6                | 4.1  |
| Rest of Victoria                    | 83.3                | 84.1                | 86.3                | 3.0  |
| <b>Queensland</b>                   | <b>86.3</b>         | <b>87.0</b>         | <b>85.0</b>         | <b>-1.3</b>  |
| Greater Brisbane                    | 88.4                | 90.3                | 87.3                | -1.1   |
| Rest of Queensland                  | 84.4                | 84.3                | 83.6                | -0.8   |
| <b>South Australia</b>              | <b>85.1</b>         | <b>87.6</b>         | <b>87.0</b>         | <b>1.9</b>   |
| Greater Adelaide                    | 87.6                | 88.9                | 89.0                | 1.4  |
| Rest of South Australia             | 78.0                | 83.9                | 80.3                | 2.3  |
| <b>Western Australia</b>            | <b>87.6</b>         | <b>86.2</b>         | <b>87.8</b>         | <b>0.2</b>   |
| Greater Perth                       | 88.9                | 87.7                | 87.9                | -1.0   |
| Rest of Western Australia           | 83.5                | 81.3                | 86.8                | 3.3  |
| <b>Tasmania</b>                     | <b>81.5</b>         | <b>83.9</b>         | <b>84.4</b>         | <b>2.9</b>   |
| Greater Hobart                      | 86.6                | 87.9                | 88.1                | 1.5  |
| Rest of Tasmania                    | 77.8                | 80.9                | 81.7                | 3.9  |
| <b>Northern Territory</b>           | <b>89.2</b>         | <b>91.4</b>         | <b>80.3</b>         | <b>-8.9</b>  |
| Greater Darwin                      | n.a.                | n.a.                | 78.0                | n.a.   |
| Rest of Northern Territory          | n.a.                | n.a.                | 80.9                | n.a.   |
| <b>Australian Capital Territory</b> | <b>89.8</b>         | <b>93.0</b>         | <b>93.6</b>         | <b>3.8</b>   |
| <b>Australian Capital Cities</b>    | <b>86.1</b>         | <b>87.5</b>         | <b>88.0</b>         | <b>1.9</b>   |
| <b>Australian Rest of States</b>    | <b>82.5</b>         | <b>83.1</b>         | <b>82.9</b>         | <b>0.4</b>   |
| <b>AUSTRALIA</b>                    | <b>84.8</b>         | <b>85.8</b>         | <b>86.2</b>         | <b>1.4</b>   |

Source: ABS 2017, Customised report, Attendance at Selected Cultural Venues and Events, Australia (cat. no. 4114.0)

The cultural venues and events asked about in the survey included cinemas, zoological parks and aquariums, botanical gardens, libraries, art galleries, museums, music concerts, musicals and operas, and theatre and dance performances.

Attendance at least once in the 12 months prior to interview.

Persons aged 15 years and over.

Changes in methodology between surveys may affect the validity of comparisons.

n.a. Not available.



