

Report 12.1  
Australian Unity Wellbeing Index

Special Report on City and Country living

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# Executive Summary

## Introduction

The Australian Unity Wellbeing Index monitors the subjective wellbeing of the Australian population. Our first survey was conducted in April 2001 and the 12th survey was undertaken in August 2004. Each survey involves a telephone interview with a new sample of 2,000 Australians, selected to represent the national population geographic distribution. Every survey comprises the Personal Wellbeing Index, which measures people's satisfaction with their own lives, and the National wellbeing Index, which measures how satisfied people are with life in Australia. Other items include a standard set of demographic questions and other survey-specific questions.

## The Theory

The theoretical framework for the interpretation of data is the theory of Subjective Wellbeing Homeostasis. This proposes that each person has a 'set-point' for personal wellbeing that is internally maintained and defended. This set-point is genetically determined and, on average, causes personal wellbeing to be held at 75 points on a 0-100 scale. The normal level of individual set-point variation is between about 60-90 percentage points. The provision of personal resources, such as money or relationships, cannot normally increase the set-point on a long term basis due to the genetic ceiling. However, such resources can strengthen defences against negative experience. Moreover, for someone who is suffering homeostatic defeat, the provision of additional resources may allow them to regain control of the wellbeing. In this case the provision of resources will cause personal wellbeing to rise until the set-point is achieved.

Low levels of personal resources, such as occasioned by low income or absence of a partner, weakens homeostasis. If personal challenges such as stress or pain exceed resources, homeostasis is defeated, and subjective wellbeing decreases below its normal range.

## This Report 12.1

For the purpose of this report, all 12 Australian Unity Wellbeing Index surveys were combined to create a sample of participants across Australia. The metropolitan areas for Sydney, Melbourne, Brisbane and Adelaide were defined by postcodes within a 30 km radius of the city centre. The Perth metropolitan area was defined as postcodes within a 20 km radius of the city centre and Hobart, Canberra and Darwin metropolitan areas were defined as a 15 km radius of the city centre. Postcode data were extracted from software based on Australia Post postcode boundaries. The total metropolitan sample for all capital cities was 18,682 and the frequencies according to capital city and survey are presented in Table A1. The sample also included a non-metropolitan group who extended beyond the boundaries of the metropolitan areas defined for each of the capital cities and this included a total of 4,586 participants. In total, the metropolitan and non-metropolitan sample size was 23,268.

## The Accessibility/Remoteness Index

This index interprets Accessibility/Remoteness as the road distance to 201 'service centres' as defined below.

1. **Highly Accessible** (ARIA score 0-1.84) – relatively unrestricted accessibility to a wide range of goods and services and opportunities for social interaction.

2. **Accessible** (ARIA score >1.84-3.51) – some restrictions to accessibility of some goods, services and opportunities for social interaction.
3. **Moderately Accessible** (ARIA score >3.51-5.86) – significantly restricted accessibility of goods, services and opportunities for social interaction.
4. **Remote** (ARIA score >5.86-9.08) – very restricted accessibility of goods, services and opportunities for social interaction.
5. **Very Remote** (ARIA score > 9.08-12.0) – very little accessibility of goods, services and opportunities for social interaction.

## **Results**

### **Accessibility/Remoteness**

- (a) The highest level of personal wellbeing is achieved by people who live in rural towns (Accessible and Moderately Accessible). Their personal wellbeing is higher than it is for people who live in Capital Cities and both of the Remote categories.
- (b) In terms of satisfaction with safety and community connection, the values for people living in cities is lower than for people living in all other locations. It is evident that high living density produces less interpersonal connection and a diminished sense of safety.
- (c) People living in the Very Remote categories have a lower satisfaction with Government than do people from the other locations. This may reflect the economic downturn that has affected rural Australia over the past few decades.
- (d) People in the Accessible category have the lowest household income. Clearly, the high wellbeing experienced by this category of people is not being driven by high income.
- (e) The Very Remote category has the highest personal income, yet their personal wellbeing is no higher than people who live in cities. It seems that their high income is not able to counteract the negative influence of remote environments on wellbeing.
- (f) The higher personal wellbeing associated with Accessible and Moderately Accessible environments only occurs for people aged 26 to 55 years. These correspond most closely to the ages when people are likely to be living with children.
- (g) Across the Australian population, Females have a higher personal wellbeing than males. This difference is exaggerated in the Remote and Very Remote areas. It may be that the female advantage in forming supportive social relationships buffers their wellbeing in these difficult circumstances of living.

### **Capital Cities**

- (a) The personal wellbeing of people living in Sydney and Perth is lower than it is for people living in the other State Capitals. This result for Sydney may be explained by the fact that its density of population is substantially higher than the other cities. The result for Perth is harder to explain. It may be linked to a sense of isolation or resentment towards the other Australian States.
- (b) In terms of Satisfaction with Personal Safety, Adelaide joins Sydney and Perth as having the lowest values.
- (c) In terms of Satisfaction with Community Connection, Darwin and Hobart are higher than the other cities.

- (d) Summary: Across all measures of Personal and National Wellbeing, the two cities that most-consistently produce the highest values are Brisbane and Melbourne. We cannot statistically separate these two top cities in terms of population wellbeing.

### **Community Connection**

- (a) Females have higher satisfaction with their sense of community connection than males.
- (b) Satisfaction with community connection increases with age.
- (c) The sense of 'belonging' in Australia increases with age.
- (d) The sense of 'belonging' in Australia decreases with income. This may reflect the increased independence and individualism associated with high income.
- (e) In terms of work-status groupings, the people who have the strongest sense of feeling connected to their community are full-time volunteers. This may reflect the type of person who becomes a volunteer, or it may be a consequence of volunteering.

### **The Analyses**

All data have been standardized to a 0-100 range. Thus, the magnitude of group differences is referred to in terms of percentage points. Reference is also made to normative ranges. These have been calculated for the Personal Wellbeing Index in terms of the whole data-set that combines data across all surveys. Norms have also been calculated separately for each of the Personal Wellbeing Index domains. They have also been calculated for gender, age groups and work-status groups. These norms are presented at the back of their respective chapters. All of the reported trends are statistically significant.

Dot point summaries are provided at the end of each Chapter.



# 1. Method

## 1.1. Participants

Australian Unity Wellbeing Index surveys were combined to create a sample of participants across Australia. The metropolitan areas for Sydney, Melbourne, Brisbane and Adelaide were defined by postcodes within a 30 km radius of the city centre. The Perth metropolitan area was defined as postcodes within a 20 km radius of the city centre and Hobart, Canberra and Darwin metropolitan areas were defined as a 15 km radius of the city centre. Postcode data was extracted from software based on Australia Post postcode boundaries. The total metropolitan sample for all capital cities was 18,682 and the frequencies according to capital city and survey are presented in Table A1. The sample also included a non-metropolitan group who extended beyond the boundaries of the metropolitan areas defined for each of the capital cities and this included a total of 4,586 participants. In total, the metropolitan and non-metropolitan sample size was 23,268.

## 1.2. The Accessibility / Remoteness Index of Australia (ARIA)

The Accessibility / Remoteness Index for Australia (ARIA) was prepared by the Information and Research Branch, Department of Health and Aged Care, and the National Key Centre for Social Applications of Geographical Information Systems (GISCA) at the University of Adelaide in 1999. ARIA interprets remoteness as accessibility to 201 service centres excluding socio-economic, urban/rural and population size factors. It was designed as a. ARIA was also designed to be an unambiguously geographical approach to defining remoteness providing a simple but comprehensive measure that would remain stable over time. Remoteness values for 11,340 populated localities are derived from the road distance to services centres in four categories. For each locality, distances are converted to ratios to the mean, a threshold of 3.0 is applied, and they are then summed. This produces a continuous variable from 0 (high accessibility) to 12 (high remoteness). Values for populated localities are then interpolated to a 1 km grid, and averages calculated for larger areas.

These values are grouped into 5 categories:

6. **Highly Accessible** (ARIA score 0-1.84) – relatively unrestricted accessibility to a wide range of goods and services and opportunities for social interaction.
7. **Accessible** (ARIA score >1.84-3.51) – some restrictions to accessibility of some goods, services and opportunities for social interaction.
8. **Moderately Accessible** (ARIA score >3.51-5.86) – significantly restricted accessibility of goods, services and opportunities for social interaction.
9. **Remote** (ARIA score >5.86-9.08) – very restricted accessibility of goods, services and opportunities for social interaction.
10. **Very Remote** (ARIA score > 9.08-12.0) – very little accessibility of goods, services and opportunities for social interaction.

Frequencies for ARIA categories according to the Australian states are presented in Table A1 and examples of cities and towns within the ARIA categories for each State and Territory are given in Table A2.

## 2. Results

### 2.1. Accessibility/Remoteness Index for Australia (ARIA)

#### 2.1.1. Use of Covariates, Age, Gender and Income

##### Personal Wellbeing Index

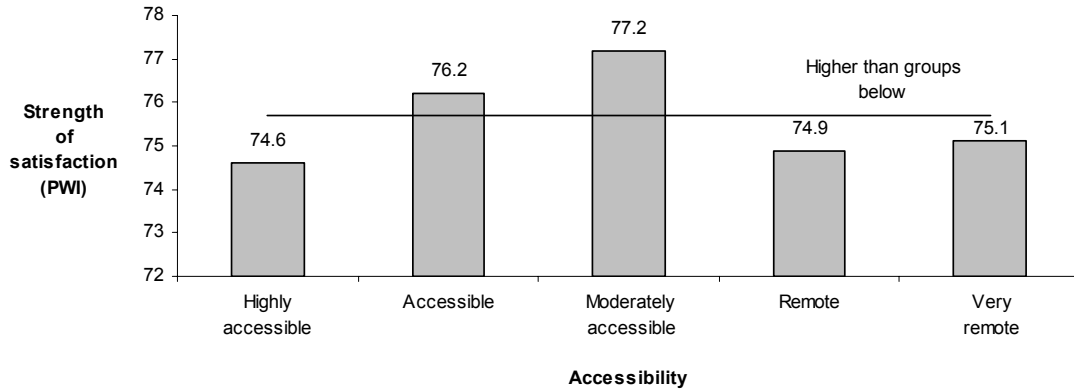


Figure 2.1: ARIA: Personal

Table A2 provides examples of the cities and towns from each State that are included in these ARIA categories. The data in Figure 2.1 are drawn from Table A6.

It seems clear that the best place to live in Australia is a rural town. The Accessible and Moderately Accessible groups do not differ from one another, and both are higher than the cities (Highly Accessible) and Remote categories. This 2.6 percentage point advantage is highly significant. This result actually reflects the raw data and is not changed by the use of income, age, or gender as covariates (Table A16).

It is important to note that the 1.0 point difference between the Accessible and Moderately Accessible is not significant. Moreover, this difference is too small to become significant with the addition of more respondents. Thus, in summary, there is no reliable difference in the personal wellbeing of people who live in large regional centres or small rural towns. Both groups, however, have higher personal wellbeing than people who live in large cities.

However, a trend is also apparent, such that remoteness also carries a burden. People who live in remote or very remote regions of Australia have a level of wellbeing no different from people living in the large cities.

##### Personal Domains

In general the domain data reflect the pattern of Figure 1 when income, age and gender are used as covariates (Table A6). Particularly, Accessible > Highly Accessible on all domains. The domains of safety and Community Connection are presented below.

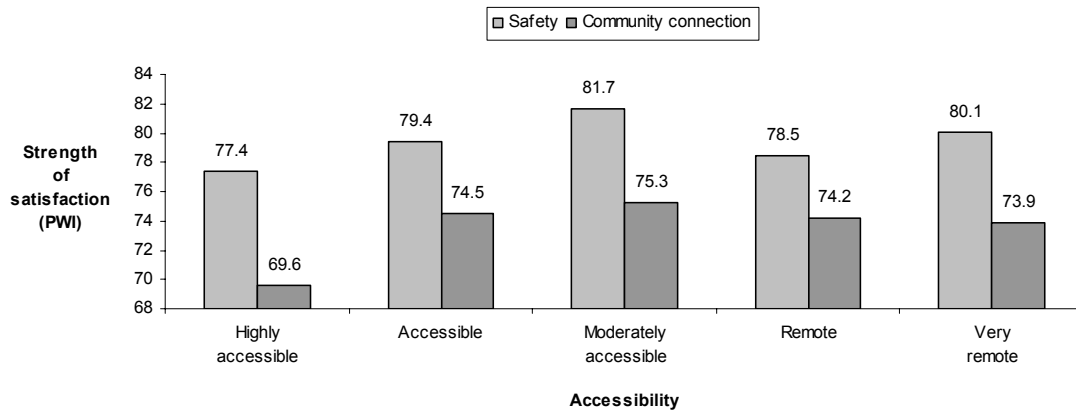


Figure 2.2: ARIA: Safety and Community Connection

Several observations can be made in relation to this pattern of data as:

1. To at least some extent, these two variables are likely to be linked. A high degree of community connection (social capital) is likely to engender a greater sense of safety.
2. The ARIA definitions (see Method) are quite specific in stating that the categories differ in their 'opportunities for social interaction'. Clearly, the degree of physical contiguity of people does not predict their satisfaction with their connection to one another. This is another example of the important difference between objective and subjective data.
3. The domain of Safety is the only domain where Moderately Accessible > Accessible ( $p=.003$ ).
4. Community connectedness is lower in the large cities than in all other ARIA categories.

### Use of Covariates

Four of the domains (Achievements, Relationships, Safety and Community) all show the above significant pattern irrespective of the use of covariates (Tables A16 and A17). The other three domains, however, show no ARIA differences using raw data, and this remains unchanged when either age or gender are used as covariates. But when income is used as a covariate, all three domains becomes significant, showing the same pattern as Figure 2.2.

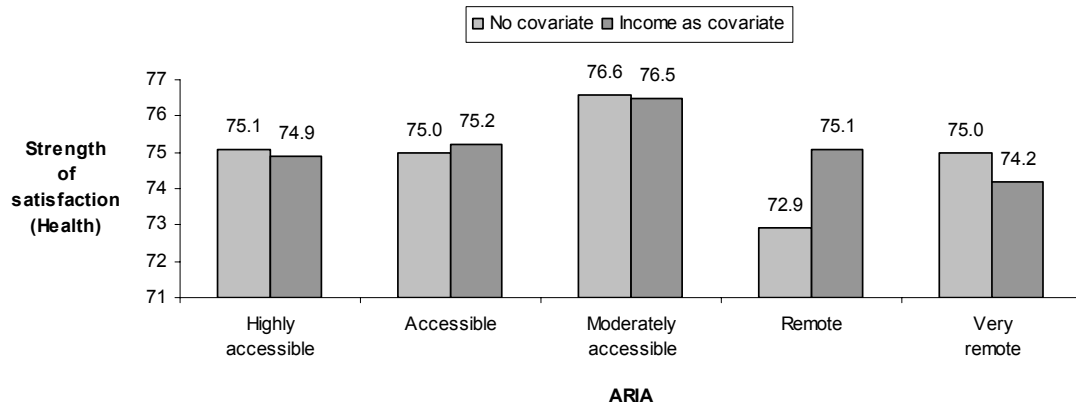


Figure 2.3: ARIA Health (No covariate vs. income covariate)

As well as these changes in the mean scores, the use of income as a covariate has changed the standard deviations as: HA(+0.01), A(-0.28), MA(-0.74), R(-1.90), VR (+0.66). The two largest changes constitute reduced variance, and this has also contributed to achieving significance.

### National Wellbeing Index

Overall, the National Wellbeing Index shows no difference between the ARIA categories (Table A6). However, some domains do differ as follows:

#### 1. Economic situation

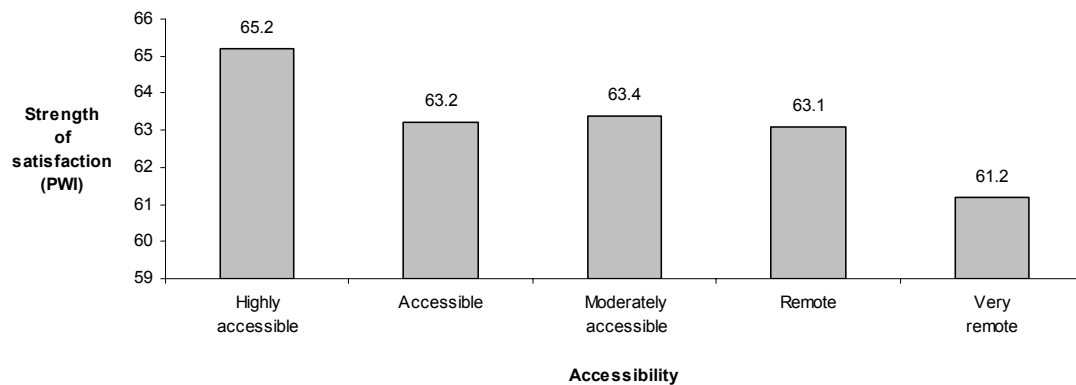


Figure 2.4: ARIA: Economic Situation

This is a very different pattern from the personal domains, showing a progressive decrease in satisfaction with the national economic situation as accessibility diminishes.

It may be that this pattern is the result of the economic downturn that has affected rural Australia over the past few decades.

A second pattern is shown by the domains of Social Conditions, Government and Business. All of these show Very Remote as lower than the other four ARIA classifications, which do not differ among themselves. This is shown for Government below.

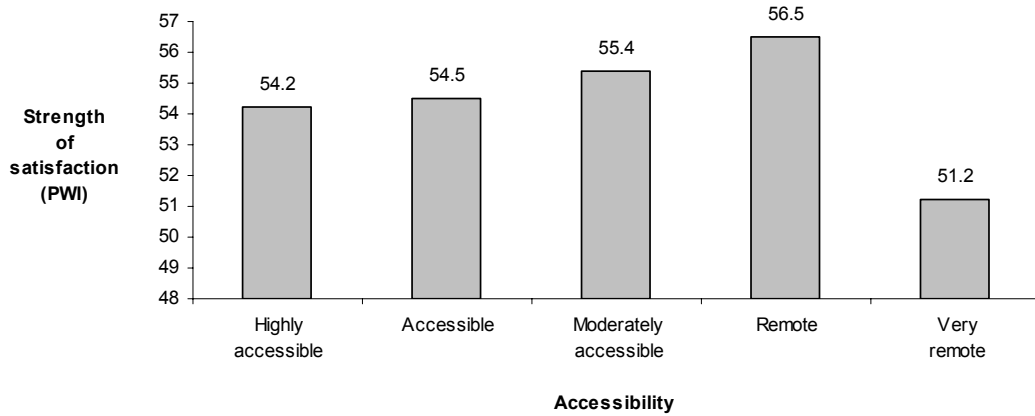


Figure 2.5: ARIA: Satisfaction with Government

### 2.1.2. ARIA and Income

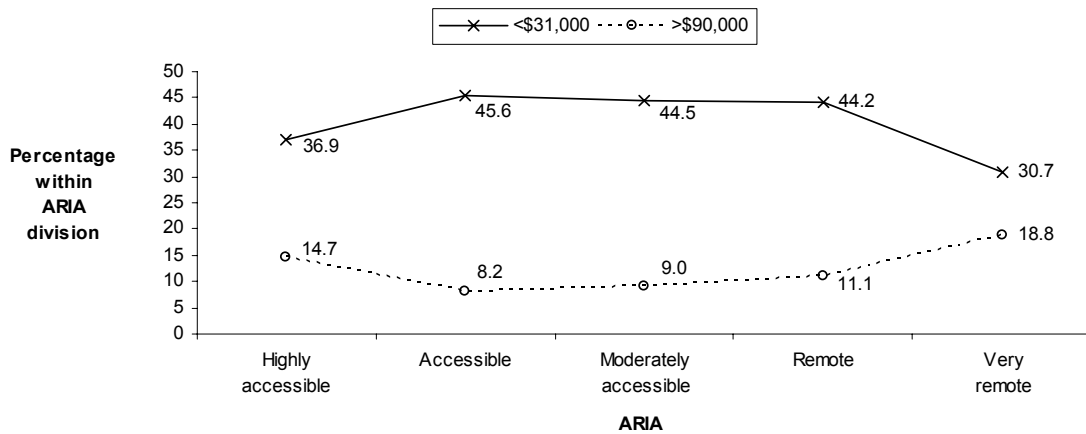


Figure 2.6: ARIA x Income (Percentage within ARIA division)

The income distribution shows an inverted U function, with fewer low-income, and more high-income households in Highly Accessible and Remote.

In terms of the ARIA advantage in personal wellbeing, the Accessible and Moderately Accessible groups retain this across all income groups (Table A3). It is significant for all income groups except <\$15,000, but even here the trend is consistent with the others.

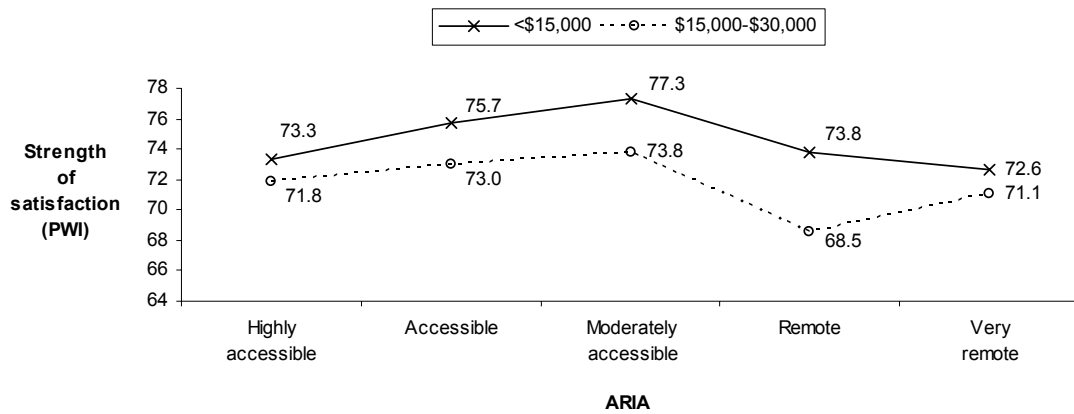


Figure 2.7: ARIA and Income (Personal Wellbeing Index)

From these results the following conclusions can be drawn:

1. The Accessible category has the lowest income and the highest personal wellbeing. Clearly, high income is not driving the higher wellbeing in the accessible locations.
2. The highest income is achieved by Very Remote. However, this high income is not sufficient to counteract the negative influence of remote living on personal wellbeing.

### 2.1.3. ARIA and Age

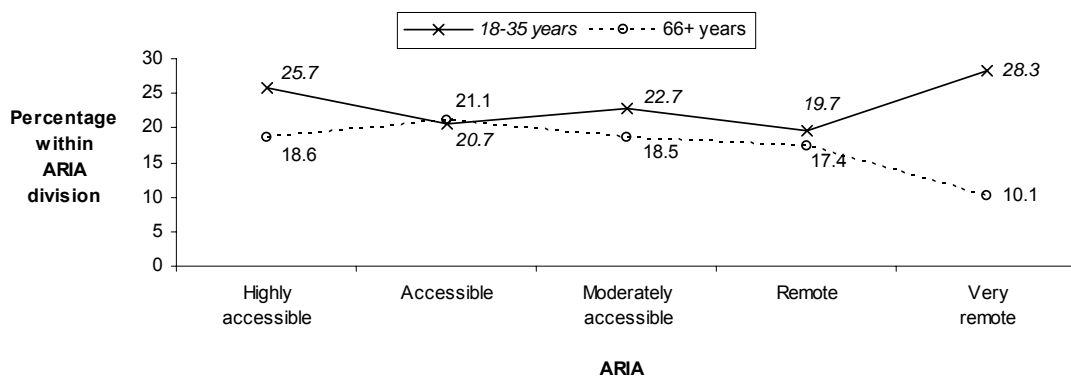


Figure 2.8: ARIA x Age (Percentage within ARIA division)

There is little variation in this age distribution until the Very Remote, where the proportion of young people rises and old people drops (Table A4). Since the older age group are known to have higher wellbeing, this distribution would act to decrease the average wellbeing of the Very Remote group.

Table A7 shows that the ARIA advantage of Accessible and Moderately Accessible occurs significantly only over the ages 26 to 55, which correspond most closely to the ages when people are likely to be living with children. There is no evidence of a significant ARIA affect in the 18-25 year group, and it disappears again at 56-65 years.

It seems reasonable to conclude that the ARIA advantage is most pronounced for families with children. It may well reflect feelings of greater safety and community connection in these towns.

It is also notable from Table A7 that the effect of increasing personal wellbeing with older age is present across the ARIA categories. Thus, Age and ARIA are both exerting their own influence on personal wellbeing.

What this indicates is that the ARIA pattern is not income-dependent, although this cannot be tested for the highest household incomes due to small cell sizes (Table A6). Thus, within the income range <\$15K to \$91-120K, both ARIA and Income exert their own independent influence on personal wellbeing.

### 2.1.4. ARIA and Gender

The relative proportion of males and females does not change much over the ARIA divisions (Table A5). The proportion of males ranges from 43.4 to 46.5. However, the gender differences in personal wellbeing are sensitive to the divisions.

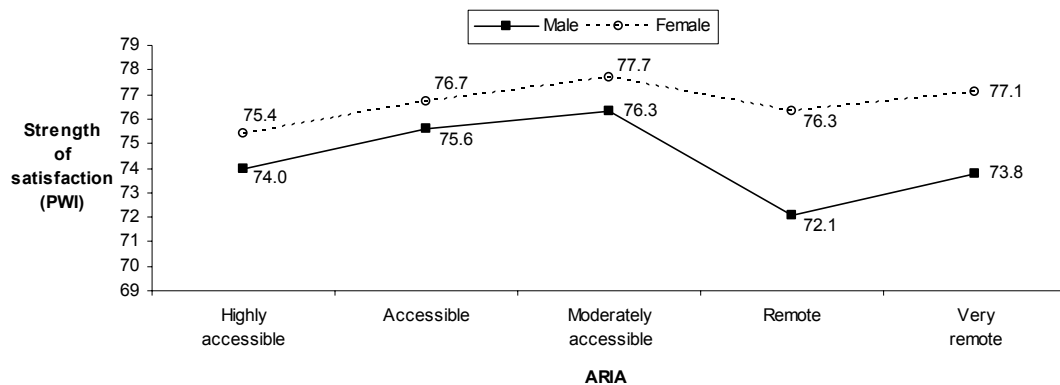
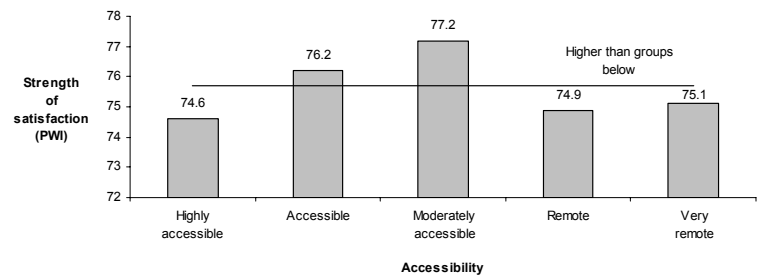


Figure 2.9: ARIA x Gender (Personal Wellbeing Index)

While there is little change in female wellbeing across the divisions, male wellbeing drops markedly in the Remote and Very Remote areas. Assuming that life is harder in these areas, this result is consistent with other results. In circumstances of unemployment, single living, or low income, females do better than males. We have hypothesized this is due to the greater ability of females to form supportive social relationships.

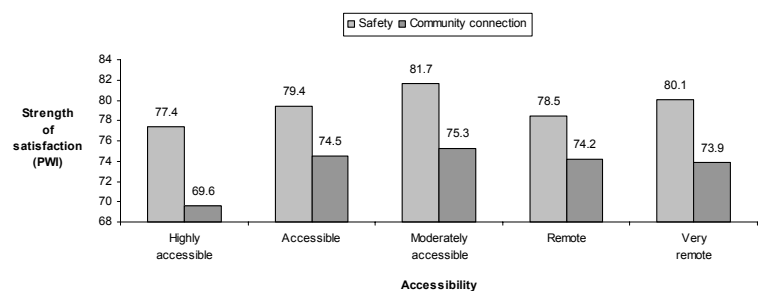
## Dot Point Summary for Results

1. The Accessibility/Remoteness Index for Australia (ARIA) interprets remoteness in terms of road distance to service centres. The category with the highest level of personal wellbeing is 'Accessible'. An example of such a town in Victoria is Horsham.

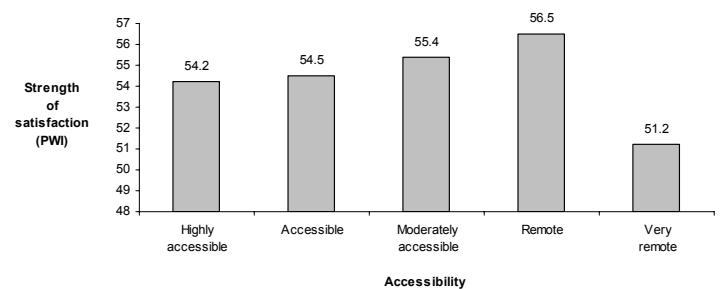


2. In terms of satisfaction with safety and community connection, Highly Accessible is less than all of the more remote categories. This shows:

- A high degree of community connection (social capital) likely engenders a sense of safety.
- High densities of people diminish their sense of connection with one another. Large cities are more impersonal than more remote locations.



3. While the National Wellbeing Index shows no significant differences between the ARIA categories, on the domains of satisfaction with the Economic situation, Business, and Government, the Very Remote category is lowest. This is shown here for Government. It may be the result of the economic downturn that has affected rural Australia over the past few decades.



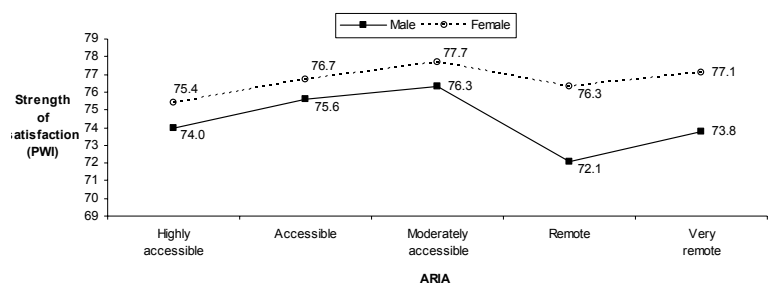


4. The Accessible category has the lowest income. Clearly, high income is not driving the higher wellbeing in Accessible locations.

5. The Very Remote category has the highest income. However, this is not sufficient to counteract the negative influence of remote living on personal wellbeing.

6. The ARIA advantage of Accessible and Moderately Accessible occurs only over the ages 26 to 55 years. These correspond most closely to the ages when people are most likely to be living with children.

7. The gender difference is most pronounced in people living in Remote and Very Remote locations, and is due to a decreased wellbeing for males. Assuming life is harder in these areas, this is consistent with other results showing males to do less well in circumstances of unemployment, single living, and low income.



## 3. Capital Cities

### 3.1. Capital Cities

#### 3.1.1. Personal Wellbeing Index

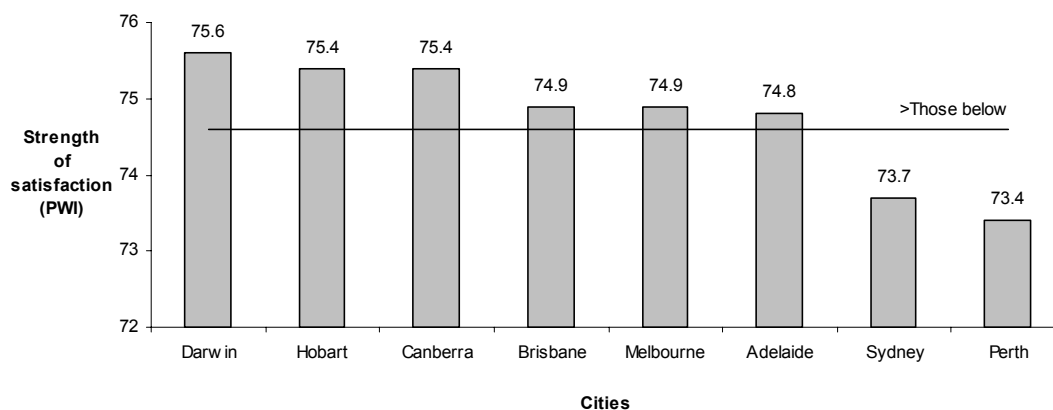


Figure 3.1: Cities x Personal Wellbeing

The crucial interpretation of these data is that the cities above the horizontal line do not significantly differ from one another. The maximum difference between them is 0.8 of a percentage point, and this is an unreliable difference. What this means is that the ordering of these six cities with respect to one another is random. A different set of survey data could put Adelaide as the highest and Darwin as the lowest.

Similarly, Sydney and Perth do not differ from one another, but both have lower personal wellbeing than the other capital cities. The use of income, age, or gender as co-variates does not change this result (Tables A18, A19).

In order to attempt some understanding of why these differences are present, Table A7.1 presents the corresponding population and city area data. And in these terms the figures for Sydney stand-out. It is substantially the largest city, having almost one million more people than Melbourne (4.0 vs. 3.2 million) and substantially the highest number of people per square kilometre of city (1,902 vs. 1,580 people). Thus, it seems likely that sheer size and population density cause wellbeing in Sydney to approximate the bottom of the Australian normative range.

Such characteristics, however, do not provide an explanation for the low scores in Perth. In terms of population and population density Perth is about the same as Brisbane, yet its personal wellbeing is 1.5 percentage points lower, which is a statistically reliable difference.

It is possible that two factors may provide some explanation for this phenomenon. The first is isolation. Perth is one of the most isolated cities on earth, being 4,400 Km from Sydney. Second, this isolation, plus rich mineral deposits in Western Australia, give the state a high capacity for earning wealth and a level of resentment that this wealth flows east. Almost since the time of Federation there has been a 'secession' movement in Western Australia which has the overt aim of allowing the state to succeed from the rest of Australia. The fact that such a movement could not unilaterally, peaceably attain its aim, due to the Australian

Constitution, does not seem to dim the spirit of its members. Indeed, the movement attests to a more widespread mistrust of the rest of Australia, which the local media disparagingly refer to as the ‘ES’ (Eastern States).

Perhaps, then, the sense of isolation and dark thoughts about the rest of the nation harbour anxieties that diminish personal wellbeing? This possibility remains speculative at this stage.

### 3.2. Personal Domains

The domains behave differently from the way they did with the ARIA divisions. Whereas with ARIA all of the domains generally followed the pattern of the Personal Wellbeing Index, for the Cities this is not so. Here, the domains of Health and Achievements show no differences. Of the other five domains, Safety and Community Connectedness are the most sensitive.

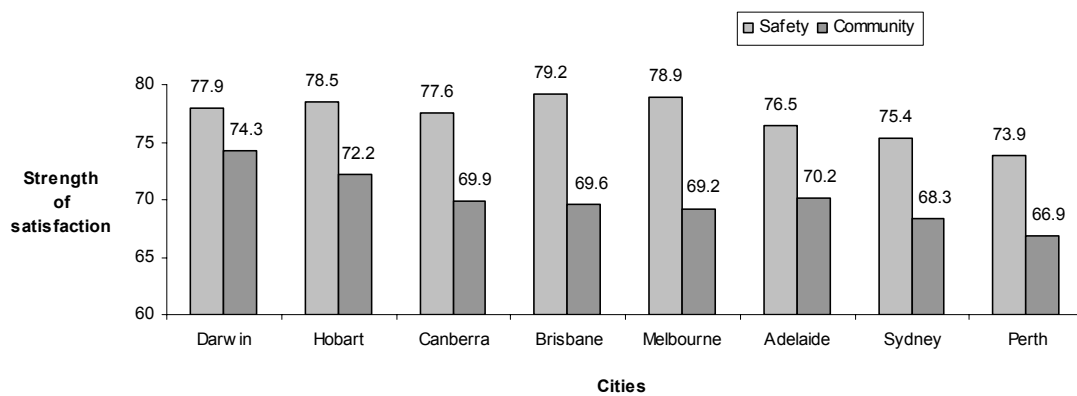


Figure 3.2: Cities vs. Safety and Community

The pattern for Satisfaction with Safety is similar to the Personal Wellbeing Index. The scores for Darwin, Hobart, Canberra, Brisbane and Melbourne cannot be separated from one another. Sydney and Perth, however, are significantly lower.

Community Connectedness shows a different pattern, in that Darwin is significantly higher than the rest. The other cities are, once again, higher than Sydney and Perth.

Satisfaction with Personal Relationships shows a different pattern, where Darwin joins Sydney in the lowest position.

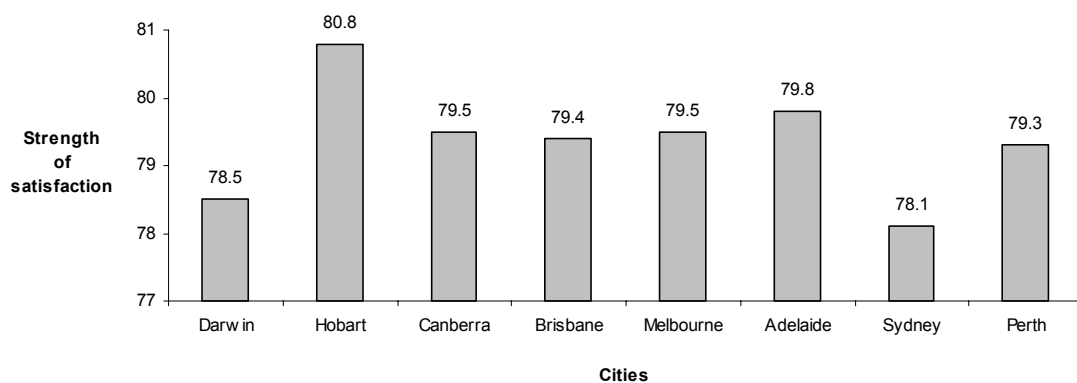


Figure 3.3: Cities x Satisfaction with Relationships

It is curious that this pattern is different from the Personal Wellbeing Index, since relationships are generally assumed to be one of the stronger domains in creating a sense of wellbeing. In these terms the data from Darwin and Perth are anomalous.

### 3.3. National Wellbeing Index

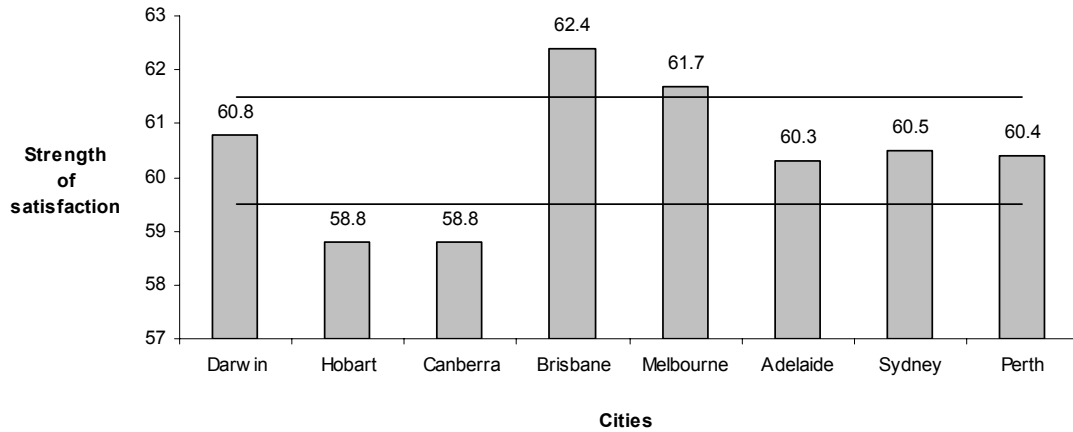


Figure 3.4: Cities x National Wellbeing Index

This pattern is very different from the Personal Wellbeing Index. Here the two highest cities are Brisbane and Melbourne, with the lowest being Hobart and Canberra. Both of the cities scoring lowest in the Personal Wellbeing Index (Sydney and Perth) here occupy the middle ground.

### 3.4. National Domains

The pattern of data in Figure 3.5 approximates the pattern for Economic Situation, Social Conditions, and Business. Of the other domains, the most sensitive is Government.

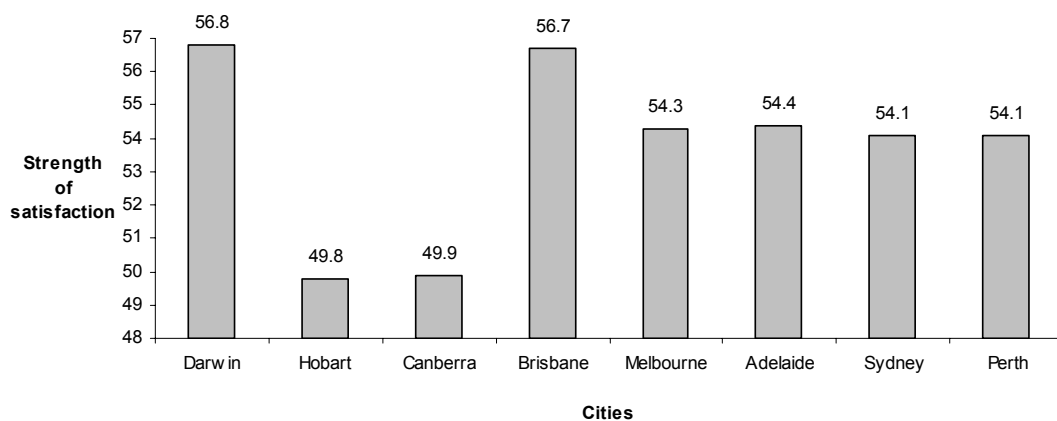


Figure 3.5: Cities x Government

Brisbane and Darwin have the highest satisfaction with Government in Australia, while Hobart and Canberra have the lowest satisfaction. The reasons for these differences are not immediately clear.

In terms of satisfaction with the natural environment, Adelaide joins Canberra in the lowest spot.

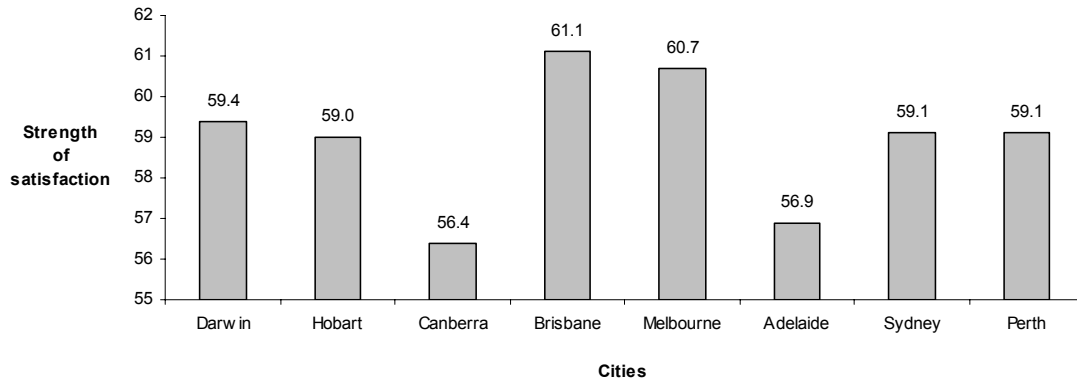


Figure 3.6: Cities x Natural Environment

In terms of National Security, Perth joins Hobart for the lowest ratings.

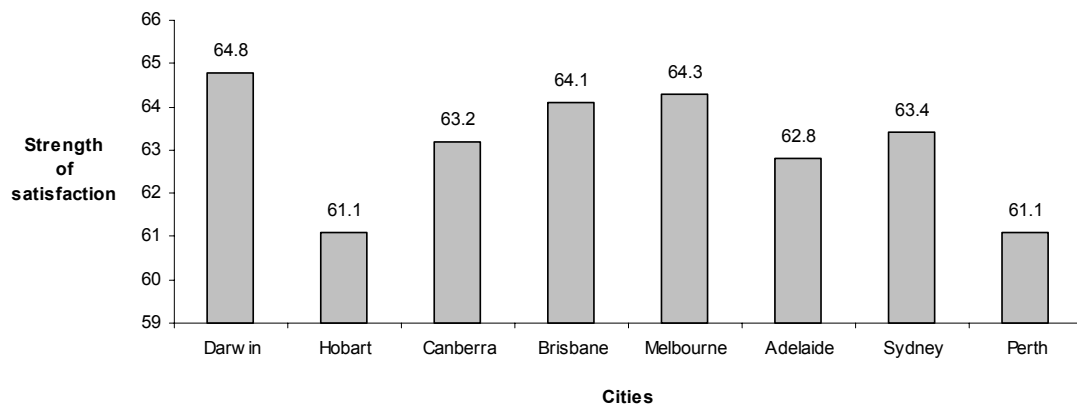


Figure 3.7: Cities x National Security

This ranking is interesting since, in objective terms, the least secure city is Darwin, which is the only one of these cities to lie within a reasonable distance to another country (Indonesia). Hobart is the city most distant from any other country (except New Zealand, which is irrelevant in terms of national threat). Objective and subjective data, once again, have no simple relationship to one another.

In summary for national wellbeing, in one or more domains, Hobart, Canberra, Perth, Adelaide and Sydney have registered scores lower than other cities on one or more domains. Hobart and Canberra share the lowest position and can not be statistically separated. This leaves Brisbane, Melbourne and Darwin as the top-ranking cities, with no statistical separation between them.

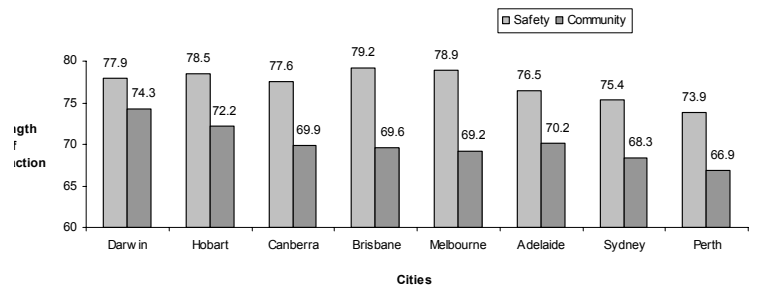
In summary over all aspects of personal and national wellbeing, the two top cities are Brisbane and Melbourne. They have not been statistically separated on any measure. At the lower end, Perth is the lowest ranked city for personal wellbeing, while Canberra and Hobart share this position for national wellbeing.

## Dot Points Summary for Capital Cities

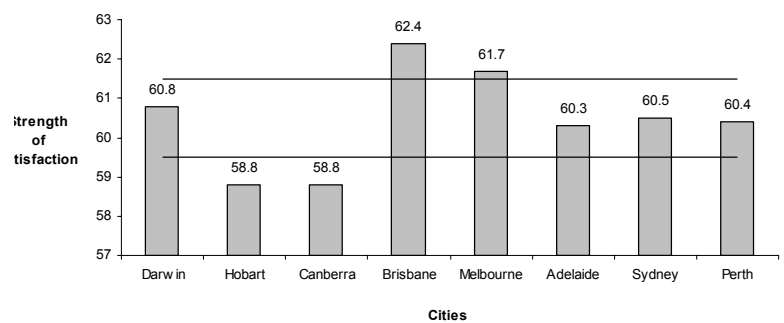
1. Sydney and Perth have lower personal wellbeing than the other six capital cities.



2. Of the seven personal domains, Safety and Community are the most sensitive to differences between cities.



3. In terms of National Wellbeing, Brisbane and Melbourne are the highest, while Hobart and Canberra are the lowest.



4. Overall, the two best cities for wellbeing are Brisbane and Melbourne.

## 4. Community

Apart from the data already presented in Chapters 2 and 3, other data on the personal domain of Community have been produced over various surveys.

### 4.1. Relationship Between Community Connection and Personal Wellbeing

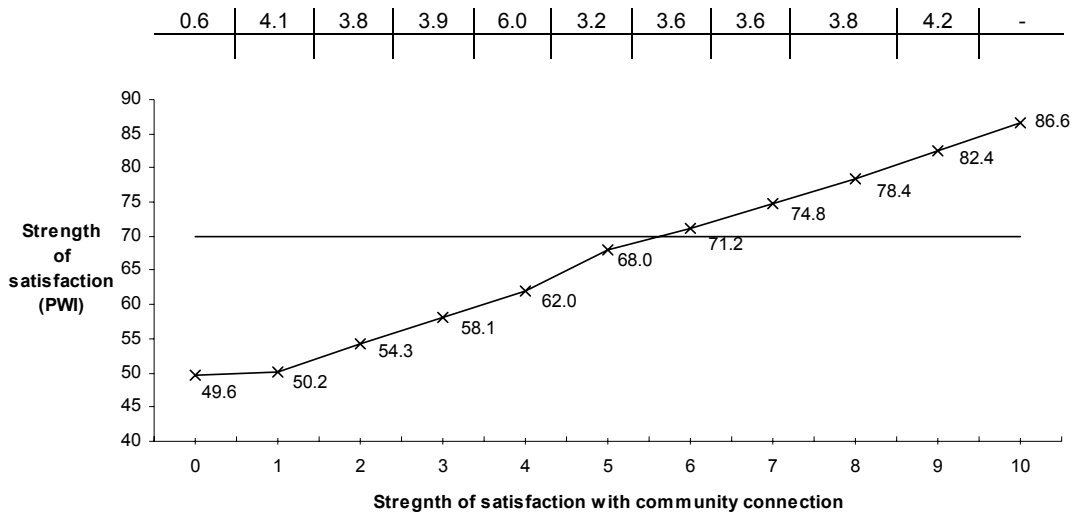


Figure 4.1: Community Connection vs. Personal Wellbeing

The data are drawn from Table A8 represent our complete accumulated data base (N=22,912).

As has been shown with other domains (Report 12.0), the point of balance between domain satisfaction and personal wellbeing lies at 70 percentage points, which corresponds with a score of seven for community connectedness on the 0-10 scale. Above this score, community overestimates personal wellbeing, and below seven it underestimates personal wellbeing. Both of these are caused by domain compensation.

### 4.2. Community Connection and Income

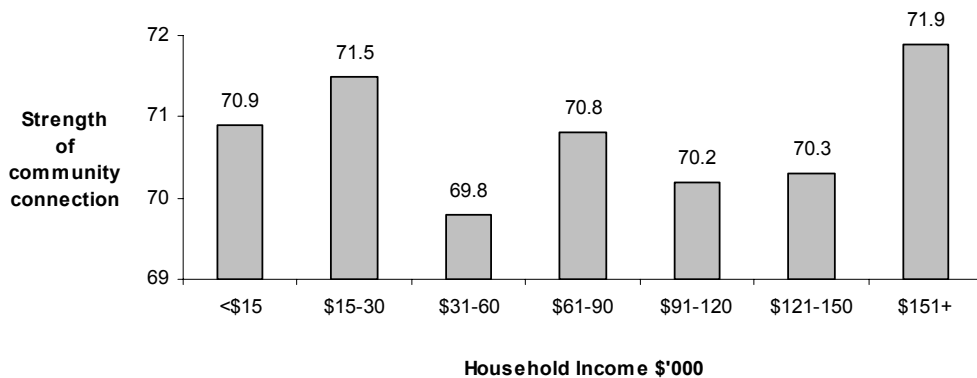


Figure 4.2: Community Connection x Income

The significant difference is caused by the low scores for the \$31-60K group (N=3,042) (Table A9). However, the differences are fairly small (maximum 2.1 points) and all values lie within the normative range. There is certainly no clear trend of rising income causing a consistent change in community connectedness.

### 4.3. Community Connection and Gender

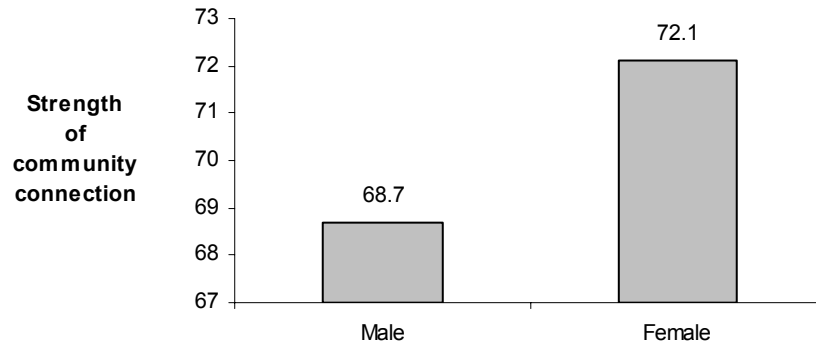


Figure 4.3: Community Connection x Gender

Females have a substantial 3.4 point advantage over males in their strength of satisfaction with community connectedness. This places them at a considerable advantage in terms of inter-personal relationships with neighbours.

### 4.4. Community Connection and Age

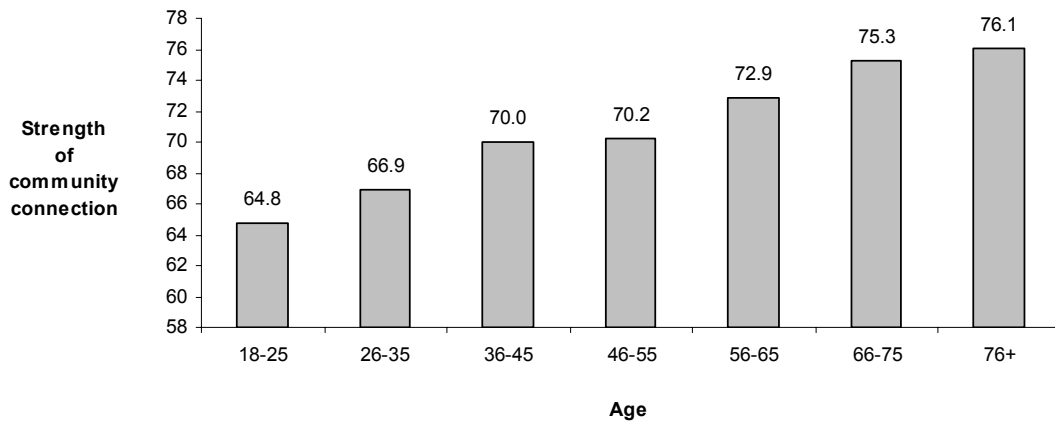


Figure 4.4: Community Connection x Age

There is a steady increase in satisfaction with community connectedness with age (Table A11). The change over this age-range is very large (11.3 points) and means that other forms of groupings are going to be highly sensitive to their age composition.



#### 4.5. Community Connectedness and Work Status

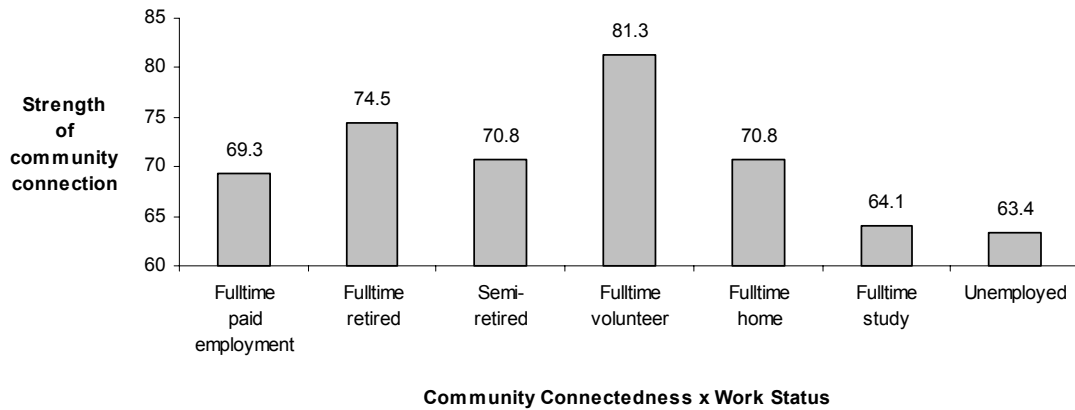


Figure 4.5: Community Connectedness x Work Status

While the sample size is quite small (N=31), Full-time volunteers have by far the highest level of satisfaction with community connectedness. While this group is likely composed mainly of older people, the level of satisfaction (81.3 points) is substantially higher than that achieved by the oldest age-group (76.1). Thus, either volunteering generates a high level of community connectedness or, more likely, people who desire a high level of contact with other people are predisposed to become volunteers.

#### 4.6. Belonging in Australia x Capital City

Table A13 shows no reliable difference between the capital cities in the extent to which their citizens feel a sense of ‘belonging’ in Australia.

#### 4.7. Belonging in Australia x Income

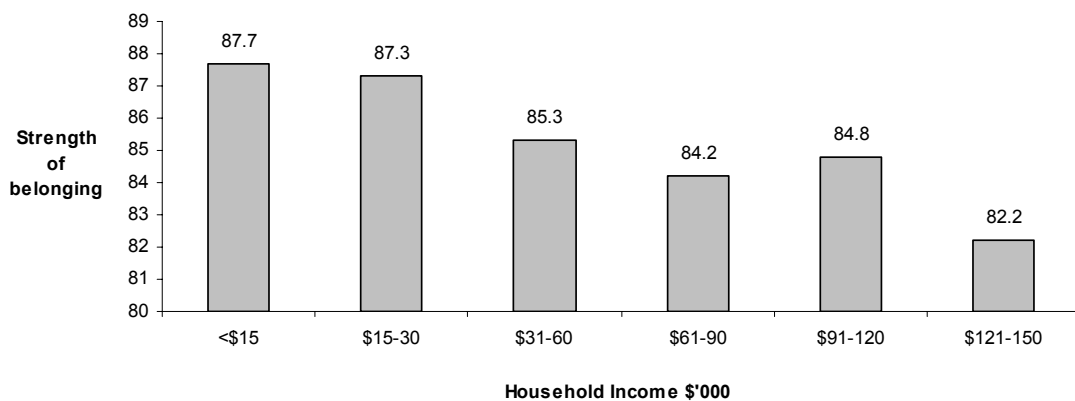


Figure 4.6: Belonging in Australia x Income

There is a steady decrease in the sense of ‘belonging’ in Australia as household income rises. This is a very different pattern from Community Connection (Figure 4.2) which showed no regular relationship with income. This difference may reflect people’s different views of

what constitutes their ‘community’. Most likely, people will choose their ‘community’ with which they feel most satisfied and this could be geographic (eg. Neighbourhood) or something else (eg. Bowls club). Thus, while the nature of the community may change across the income groups, their average level of satisfaction remains approximately the same.

However, ‘belonging in Australia’ is much less ambiguous and the reduced sense of belonging for high income households may reflect increased individualism.

#### 4.8. Belonging in Australia x Age

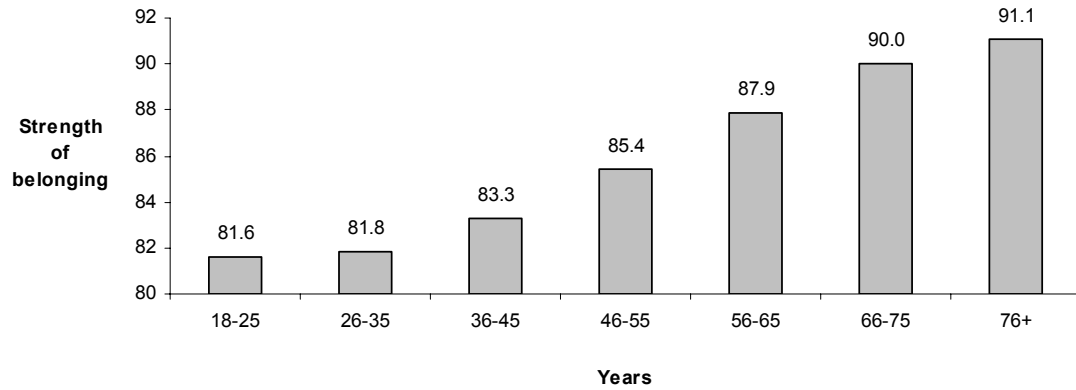
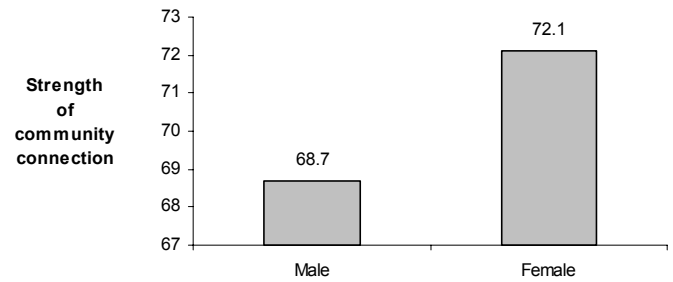


Figure 4.7: Belonging in Australia x Age

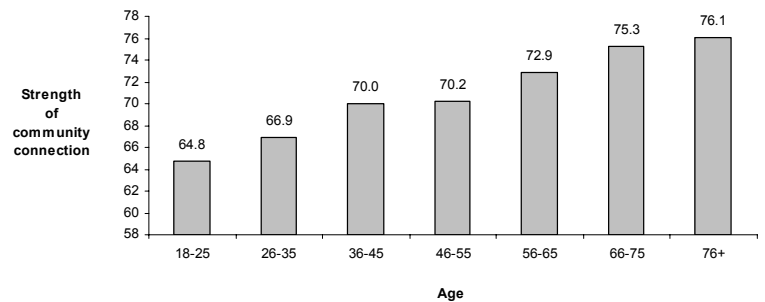
There is a steady increase in the sense of Belonging in Australia with age. This is the same direction of change as satisfaction with community connectedness.

## Dot Point Summary for Community

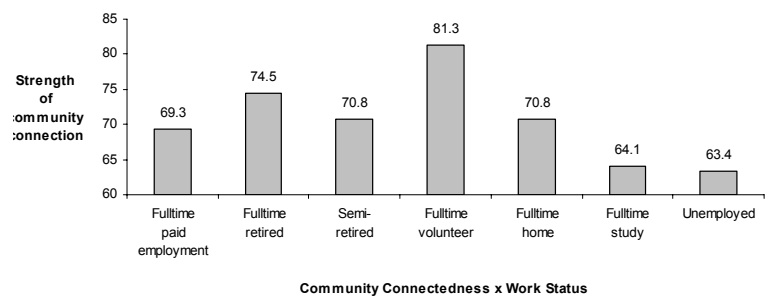
1. Females have higher satisfaction with Community Connection than males.



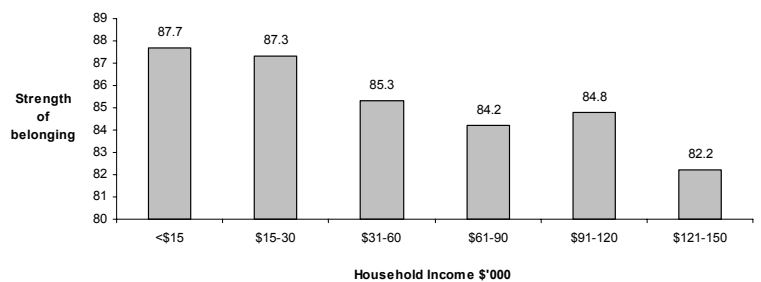
2. Community connection increases with age.



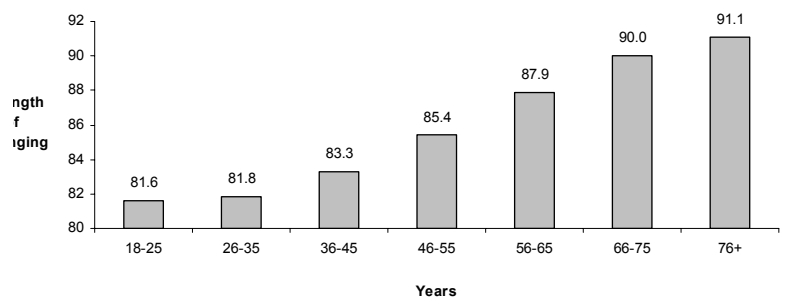
3. Of all the Work Status groups, Full-time volunteers have the strongest satisfaction with community connection. Most likely, people who desire a higher level of contact with other people become full-time volunteers.



4. The sense of 'belonging' in Australia decreases with higher income. This may reflect increased individualism.



5. The sense of 'belonging' in Australia increases with age.



## 5. Domain Contributions to Personal Wellbeing – ARIA Division

Tables A20-A25 show the correlations between life as a whole and the domains, as well as the contribution of each domain within each ARIA division.

The amount of explained variance varies from 42% (Remote) to 50% (Highly accessible). This difference is reflected in reduced levels of shared variance rather than in changed levels of unique variance contributed by specific domains. This means that the domains are more independent from one another and from Life as a Whole in the Very Remote towns (Table A20). The reason for this is not clear.

Two domains, however, show marked differences in the extent to which they contribute to Life as a Whole across the ARIA divisions.

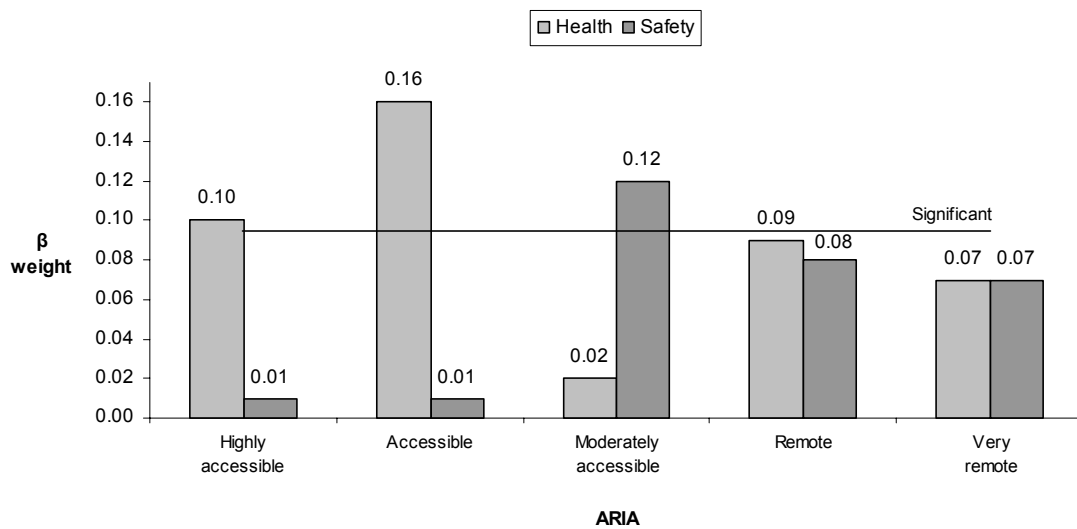


Figure 5.1: ARIA x β Weight Contributions to Life as a Whole

It is clear that the pattern of contribution for each domain changes markedly between the two most accessible divisions and the three least accessible divisions. Health only makes a significant contribution in the Highly Accessible/Accessible divisions, while Safety shows the opposite pattern.

This is the first time that a sub-group of the Australian population has shown a significant contribution from safety.

It is hard to understand why this changed contribution has occurred. All of the less accessible groups are higher in safety satisfaction than the Highly Accessible group (Table A6). Moreover, the Moderately Accessible group has a mid-range mean and standard deviation compared with the other ARIA divisions. Similarly, there seems to be nothing in the means and standard deviations of the High/Accessible groups that provides a clue as to why their domain of Health makes such a different strength of contribution.

## APPENDIX

Table A1: Frequencies According to ARIA Classifications and State

|              | <b>Highly Accessible</b> | <b>Accessible</b> | <b>Moderately Accessible</b> | <b>Remote</b> | <b>Very Remote</b> | <b>Total</b> |
|--------------|--------------------------|-------------------|------------------------------|---------------|--------------------|--------------|
| <b>ACT</b>   | 623                      | 0                 | 0                            | 0             | 0                  | 623          |
| <b>NT</b>    | 0                        | 125               | 10                           | 0             | 65                 | 200          |
| <b>NSW</b>   | 6136                     | 1232              | 200                          | 64            | 11                 | 7643         |
| <b>VIC</b>   | 5261                     | 314               | 115                          | 0             | 0                  | 5690         |
| <b>QLD</b>   | 2965                     | 740               | 355                          | 63            | 199                | 4322         |
| <b>SA</b>    | 1565                     | 221               | 113                          | 49            | 8                  | 1956         |
| <b>WA</b>    | 1771                     | 152               | 141                          | 50            | 66                 | 2180         |
| <b>TAS</b>   | 361                      | 238               | 53                           | 0             | 2                  | 654          |
| <b>Total</b> | 18682                    | 3022              | 987                          | 226           | 351                | 23268        |

Table A2: Examples of Locations According to ARIA Classifications

|            | <b>Highly Accessible</b>   | <b>Accessible</b>  | <b>Moderately Accessible</b> | <b>Remote</b> | <b>Very Remote</b> |
|------------|--|--|------------------------------|---------------|--------------------|
| <b>ACT</b> | Canberra   | n/a  | n/a                          | n/a           | n/a                |
| <b>NT</b>  | n/a  | Darwin   | Berry Springs                | Alice Springs | Katherine          |
| <b>NSW</b> | Sydney<br>Newcastle<br>Wollongong  | Port Macquarie   | Merimbula                    | Broken Hill   | Bourke             |
| <b>QLD</b> | Brisbane<br>Gold Coast   | Bundaberg  | Goondiwindi                  | Airlie Beach  | Birdsville         |
| <b>SA</b>  | Adelaide   | Coorong  | Bordertown                   | Port Lincoln  | Port Augusta       |
| <b>WA</b>  | Perth  | Geraldton  | Kalgoorlie                   | Esperance     | Broome             |
| <b>TAS</b> | Hobart   | George Town  | Port Arthur                  | n/a           | Cape Barren Island |
| <b>VIC</b> | Melbourne<br>Geelong<br>Anglesea<br>Ararat<br>Ballarat<br>Beechworth<br>Benalla<br>Daylesford<br>Glenrowan<br>Hepburn Springs<br>Moe | Horsham<br>Apollo Bay<br>Bogong<br>Cobram<br>Halls Gap<br>Hamilton<br>Hanging Rock<br>Lakes Entrance<br>Mount Beauty<br>Mount Buller<br>Myrtleford | Mildura<br>Cann River        | Mallacoota    | n/a                |

Table A3: PWB According to ARIA and Income Frequency Distribution

|                       |      | <b>Highly<br/>Accessible</b> | <b>Accessible</b> | <b>Moderately<br/>Accessible</b> | <b>Remote</b> | <b>Very<br/>Remote</b> |       |
|-----------------------|------|------------------------------|-------------------|----------------------------------|---------------|------------------------|-------|
| <\$15,000             | N    | <b>2209</b>                  | <b>444</b>        | <b>141</b>                       | <b>34</b>     | <b>33</b>              | 2861  |
|                       | %    | <b>16.1%</b>                 | <b>18.8%</b>      | <b>18.6%</b>                     | <b>18.8%</b>  | <b>11.9%</b>           | 16.5% |
|                       | Mean | <b>71.76</b>                 | <b>72.95</b>      | <b>73.79</b>                     | <b>68.53</b>  | <b>71.06</b>           | 72.00 |
|                       | SD   | <b>14.85</b>                 | <b>14.47</b>      | <b>12.85</b>                     | <b>19.31</b>  | <b>16.64</b>           | 14.78 |
| \$15,000 - \$30,000   | N    | <b>2856</b>                  | <b>634</b>        | <b>196</b>                       | <b>46</b>     | <b>52</b>              | 3784  |
|                       | %    | <b>20.8%</b>                 | <b>26.8%</b>      | <b>25.9%</b>                     | <b>25.4%</b>  | <b>18.8%</b>           | 21.9% |
|                       | Mean | <b>73.28</b>                 | <b>75.67</b>      | <b>77.30</b>                     | <b>73.82</b>  | <b>72.58</b>           | 73.89 |
|                       | SD   | <b>13.25</b>                 | <b>12.67</b>      | <b>11.62</b>                     | <b>11.73</b>  | <b>14.69</b>           | 13.13 |
| \$31,000 - \$60,000   | N    | <b>4135</b>                  | <b>742</b>        | <b>234</b>                       | <b>51</b>     | <b>77</b>              | 5239  |
|                       | %    | <b>30.1%</b>                 | <b>31.4%</b>      | <b>30.9%</b>                     | <b>28.2%</b>  | <b>27.8%</b>           | 30.3% |
|                       | Mean | <b>74.35</b>                 | <b>76.77</b>      | <b>77.42</b>                     | <b>76.75</b>  | <b>76.07</b>           | 74.88 |
|                       | SD   | <b>11.42</b>                 | <b>11.62</b>      | <b>11.45</b>                     | <b>12.11</b>  | <b>11.78</b>           | 11.50 |
| \$61,000 - \$90,000   | N    | <b>2489</b>                  | <b>350</b>        | <b>119</b>                       | <b>30</b>     | <b>63</b>              | 3051  |
|                       | %    | <b>18.1%</b>                 | <b>14.8%</b>      | <b>15.7%</b>                     | <b>16.6%</b>  | <b>22.7%</b>           | 17.6% |
|                       | Mean | <b>76.36</b>                 | <b>78.13</b>      | <b>79.65</b>                     | <b>76.81</b>  | <b>76.41</b>           | 76.70 |
|                       | SD   | <b>10.42</b>                 | <b>10.01</b>      | <b>8.95</b>                      | <b>10.56</b>  | <b>9.86</b>            | 10.34 |
| \$91,000 - \$120,000  | N    | <b>1401</b>                  | <b>140</b>        | <b>48</b>                        | <b>13</b>     | <b>37</b>              | 1639  |
|                       | %    | <b>10.2%</b>                 | <b>5.9%</b>       | <b>6.3%</b>                      | <b>7.2%</b>   | <b>13.4%</b>           | 9.5%  |
|                       | Mean | <b>77.62</b>                 | <b>79.65</b>      | <b>79.82</b>                     | <b>79.78</b>  | <b>75.25</b>           | 77.82 |
|                       | SD   | <b>9.55</b>                  | <b>8.43</b>       | <b>11.69</b>                     | <b>7.56</b>   | <b>13.07</b>           | 9.63  |
| \$121,000 - \$150,000 | N    | <b>432</b>                   | <b>39</b>         | <b>15</b>                        | <b>4</b>      | <b>11</b>              | 501   |
|                       | %    | <b>3.1%</b>                  | <b>1.6%</b>       | <b>2.0%</b>                      | <b>2.2%</b>   | <b>4.0%</b>            | 2.9%  |
|                       | Mean | <b>77.57</b>                 | <b>80.04</b>      | <b>76.48</b>                     | <b>81.43</b>  | <b>84.29</b>           | 77.89 |
|                       | SD   | <b>9.53</b>                  | <b>9.15</b>       | <b>10.82</b>                     | <b>3.09</b>   | <b>6.28</b>            | 9.51  |
| \$151,000+            | N    | <b>193</b>                   | <b>17</b>         | <b>5</b>                         | <b>3</b>      | <b>4</b>               | 222   |
|                       | %    | <b>1.4%</b>                  | <b>.7%</b>        | <b>.7%</b>                       | <b>1.7%</b>   | <b>1.4%</b>            | 1.3%  |
|                       | Mean | <b>79.64</b>                 | <b>78.57</b>      | <b>74.29</b>                     | <b>79.52</b>  | <b>74.64</b>           | 79.34 |
|                       | SD   | <b>9.67</b>                  | <b>9.99</b>       | <b>3.91</b>                      | <b>8.25</b>   | <b>12.14</b>           | 9.61  |
| Total                 |      | 13715                        | 2366              | 758                              | 181           | 277                    | 17297 |

**Post hoc analyses**

\$15,000-\$30,000  
A>HA, p=.000  
MA>HA, p=.000

\$31,000-\$60,000  
A>HA, p=.000  
MA>HA, p=.001

\$61,000-\$90,000  
A>HA, p=.023  
MA>HA, p=.006

Table A4: PWB According to ARIA and Age Frequency Distribution

|              |      | <b>Highly Accessible</b> | <b>Accessible</b> | <b>Moderately Accessible</b> | <b>Remote</b> | <b>Very Remote</b> |              |
|--------------|------|--------------------------|-------------------|------------------------------|---------------|--------------------|--------------|
| <b>18-25</b> | N    | <b>1928</b>              | <b>233</b>        | <b>80</b>                    | <b>17</b>     | <b>32</b>          | 2290         |
|              | %    | <b>10.7%</b>             | <b>7.9%</b>       | <b>8.4%</b>                  | <b>7.6%</b>   | <b>9.2%</b>        | 10.1%        |
|              | Mean | <b>74.00</b>             | <b>74.02</b>      | <b>73.36</b>                 | <b>76.25</b>  | <b>76.77</b>       | 74.04        |
|              | SD   | <b>11.20</b>             | <b>12.21</b>      | <b>12.49</b>                 | <b>7.54</b>   | <b>11.29</b>       | 11.34        |
| <b>26-35</b> | N    | <b>2706</b>              | <b>381</b>        | <b>135</b>                   | <b>27</b>     | <b>66</b>          | 3315         |
|              | %    | <b>15.0%</b>             | <b>12.8%</b>      | <b>14.3%</b>                 | <b>12.1%</b>  | <b>19.1%</b>       | 14.7%        |
|              | Mean | <b>73.86</b>             | <b>75.97</b>      | <b>76.82</b>                 | <b>71.85</b>  | <b>76.37</b>       | 74.26        |
|              | SD   | <b>11.41</b>             | <b>11.27</b>      | <b>10.72</b>                 | <b>17.27</b>  | <b>10.82</b>       | 11.44        |
| <b>36-45</b> | N    | <b>3562</b>              | <b>614</b>        | <b>210</b>                   | <b>50</b>     | <b>84</b>          | 4520         |
|              | %    | <b>19.7%</b>             | <b>20.7%</b>      | <b>22.2%</b>                 | <b>22.3%</b>  | <b>24.3%</b>       | 20.0%        |
|              | Mean | <b>74.08</b>             | <b>74.89</b>      | <b>76.73</b>                 | <b>75.31</b>  | <b>71.90</b>       | 74.29        |
|              | SD   | <b>12.16</b>             | <b>12.94</b>      | <b>12.10</b>                 | <b>11.96</b>  | <b>13.59</b>       | 12.30        |
| <b>46-55</b> | N    | <b>3582</b>              | <b>603</b>        | <b>195</b>                   | <b>57</b>     | <b>72</b>          | 4509         |
|              | %    | <b>19.8%</b>             | <b>20.3%</b>      | <b>20.6%</b>                 | <b>25.4%</b>  | <b>20.8%</b>       | 20.0%        |
|              | Mean | <b>73.56</b>             | <b>75.95</b>      | <b>77.59</b>                 | <b>71.92</b>  | <b>73.84</b>       | 74.04        |
|              | SD   | <b>12.81</b>             | <b>12.80</b>      | <b>12.71</b>                 | <b>13.79</b>  | <b>13.19</b>       | 12.87        |
| <b>56-65</b> | N    | <b>2951</b>              | <b>511</b>        | <b>152</b>                   | <b>34</b>     | <b>57</b>          | 3705         |
|              | %    | <b>16.3%</b>             | <b>17.2%</b>      | <b>16.1%</b>                 | <b>15.2%</b>  | <b>16.5%</b>       | 16.4%        |
|              | Mean | <b>75.51</b>             | <b>76.68</b>      | <b>76.83</b>                 | <b>75.24</b>  | <b>77.58</b>       | 75.76        |
|              | SD   | <b>12.12</b>             | <b>12.57</b>      | <b>12.03</b>                 | <b>13.10</b>  | <b>13.35</b>       | 12.21        |
| <b>66-75</b> | N    | <b>2058</b>              | <b>395</b>        | <b>110</b>                   | <b>24</b>     | <b>20</b>          | 2607         |
|              | %    | <b>11.4%</b>             | <b>13.3%</b>      | <b>11.6%</b>                 | <b>10.7%</b>  | <b>5.8%</b>        | 11.5%        |
|              | Mean | <b>76.97</b>             | <b>77.67</b>      | <b>79.18</b>                 | <b>76.90</b>  | <b>81.43</b>       | 77.21        |
|              | SD   | <b>11.79</b>             | <b>11.25</b>      | <b>11.55</b>                 | <b>15.19</b>  | <b>9.13</b>        | 11.72        |
| <b>76+</b>   | N    | <b>1310</b>              | <b>231</b>        | <b>65</b>                    | <b>15</b>     | <b>15</b>          | 1636         |
|              | %    | <b>7.2%</b>              | <b>7.8%</b>       | <b>6.9%</b>                  | <b>6.7%</b>   | <b>4.3%</b>        | 7.2%         |
|              | Mean | <b>78.46</b>             | <b>79.69</b>      | <b>80.71</b>                 | <b>77.80</b>  | <b>84.90</b>       | 78.78        |
|              | SD   | <b>11.25</b>             | <b>11.00</b>      | <b>12.05</b>                 | <b>14.63</b>  | <b>4.91</b>        | 11.25        |
| <b>Total</b> |      | <b>18097</b>             | <b>2968</b>       | <b>947</b>                   | <b>224</b>    | <b>346</b>         | <b>22582</b> |

**Post hoc analyses**

26-35  
A>HA, p=.007  
MA>A, p=.028

36-45  
MA>HA, p=.023  
MA>VR, p=.022

46-55  
A>HA, p=.000  
MA>A, p=.000  
MA>R, p=.031

Table A5: PWB According to ARIA and Gender Frequency Distribution

|               |      | <b>Highly Accessible</b> | <b>Accessible</b> | <b>Moderately Accessible</b> | <b>Remote</b> | <b>Very Remote</b> |        |
|---------------|------|--------------------------|-------------------|------------------------------|---------------|--------------------|--------|
| <b>Male</b>   | N    | 8688                     | 1377              | 461                          | 98            | 163                | 10787  |
|               | %    | 80.5%                    | 12.8%             | 4.3%                         | .9%           | 1.5%               | 100.0% |
|               | Mean | 73.97                    | 75.64             | 76.33                        | 72.06         | 73.80              | 74.27  |
|               | SD   | 12.11                    | 12.49             | 12.86                        | 15.35         | 13.31              | 12.26  |
| <b>Female</b> | N    | 9994                     | 1645              | 526                          | 128           | 188                | 12481  |
|               | %    | 80.1%                    | 13.2%             | 4.2%                         | 1.0%          | 1.5%               | 100.0% |
|               | Mean | 75.44                    | 76.66             | 77.70                        | 76.28         | 77.13              | 75.73  |
|               | SD   | 12.05                    | 12.11             | 11.43                        | 11.75         | 11.96              | 12.04  |
| <b>Total</b>  |      | 18682                    | 3022              | 987                          | 226           | 351                | 23268  |
|               |      | p=.000                   | p=.026            | p=.080                       | p=.022        | p=.015             |        |

Gender:  $F(1,22482) = 24.50, p=.000$

ARIA:  $F(4,22482) = 16.17, p=.000$

Gender x ARIA:  $F(4,22482) = 1.45, p=.215$



Table A6: Wellbeing Means and Standard Deviations According to Remoteness (Covariates of Age, Gender & Income)

| Question  | Capital City          | Mean   | SD    | N     |
|---|-----------------------|--|-------|-------|
| <b>Personal Wellbeing</b><br>Accessibility: $F(4,16533) = 23.77$ ,<br>$p=.000$<br>Partial Eta Squared = .006    | Highly Accessible     | 74.64  | 12.10 | 13076 |
|   | Accessible            | 76.24  | 12.16 | 2288  |
|   | Moderately Accessible | 77.19  | 11.46 | 730   |
|   | Remote                | 74.92  | 13.25 | 177   |
|   | Very Remote           | 75.13  | 12.85 | 270   |
|   | Total                 | 74.98  | 12.13 | 16541 |
|   |                       | Access>High, $p=.000$<br>Moderate>High, $p=.000$<br>Moderate> Access, $p=.037$<br>Access> Very Remote, $p=.040$<br>Moderate>Remote, $p=.015$<br>Moderate>Very Remote, $p=.002$ |       |       |
| <b>Standard of living</b><br>Accessibility: $F(4,17029) = 4.13$ ,<br>$p=.002$<br>Partial Eta Squared = .006     | Highly Accessible     | 76.96  | 17.13 | 13489 |
|   | Accessible            | 77.19  | 17.91 | 2345  |
|   | Moderately Accessible | 77.53  | 16.95 | 749   |
|   | Remote                | 74.22  | 20.17 | 180   |
|   | Very Remote           | 75.51  | 19.85 | 274   |
|   | Total                 | 76.96  | 17.31 | 17037 |
|   |                       | Access>High, $p=.011$<br>Moderate>High, $p=.028$<br>Access>Remote, $p=.021$<br>Access> Very Remote, $p=.017$<br>Moderate>Remote, $p=.014$<br>Moderate>Very Remote, $p=.012$    |       |       |
| <b>Health</b><br>Accessibility: $F(4,17024) = 3.96$ ,<br>$p=.000$<br>Partial Eta Squared = .001                 | Highly Accessible     | 74.84  | 19.73 | 13486 |
|   | Accessible            | 75.26  | 20.16 | 2344  |
|   | Moderately Accessible | 76.39  | 18.42 | 748   |
|   | Remote                | 75.06  | 20.75 | 180   |
|   | Very Remote           | 74.34  | 22.12 | 274   |
|   | Total                 | 74.96  | 19.79 | 17032 |
|   |                       | Access>High, $p=.008$<br>Moderate>High, $p=.003$<br>Moderate>Very Remote, $p=.015$   |       |       |
| <b>Achievements in life</b><br>Accessibility: $F(4,16970) = 4.97$ ,<br>$p=.000$<br>Partial Eta Squared = .001   | Highly Accessible     | 73.76  | 17.81 | 13432 |
|   | Accessible            | 75.14  | 17.83 | 2345  |
|   | Moderately Accessible | 74.77  | 18.35 | 748   |
|   | Remote                | 73.83  | 19.41 | 180   |
|   | Very Remote           | 73.00  | 18.06 | 273   |
|   | Total                 | 73.98  | 17.86 | 16978 |
|   |                       | Access>High, $p=.000$<br>Moderate>High, $p=.032$<br>Access> Very Remote, $p=.037$  |       |       |
| <b>Personal Relationships</b><br>Accessibility: $F(4,16997) = 9.90$ ,<br>$p=.000$<br>Partial Eta Squared = .002 | Highly Accessible     | 79.35  | 20.63 | 13465 |
|   | Accessible            | 81.15  | 20.76 | 2339  |
|   | Moderately Accessible | 82.19  | 19.46 | 748   |
|   | Remote                | 80.11  | 21.27 | 180   |
|   | Very Remote           | 80.15  | 20.40 | 273   |
|   | Total                 | 79.74  | 20.62 | 17005 |
|   |                       | Access>High, $p=.000$<br>Moderate>High, $p=.000$   |       |       |

| Question  | Capital City          | Mean   | SD    | N     |
|---|-----------------------|--|-------|-------|
| <b>Safety</b><br>Accessibility: $F(4,16983) = 19.75$ ,<br><b><math>p=.000</math></b><br>Partial Eta Squared = .005                  | Highly Accessible     | 77.43  | 17.97 | 13453 |
|   | Accessible            | 79.42  | 18.39 | 2337  |
|   | Moderately Accessible | 81.74  | 17.29 | 747   |
|   | Remote                | 78.50  | 21.83 | 180   |
|   | Very Remote           | 80.11  | 20.05 | 274   |
|   | Total                 | 77.95  | 18.11 | 16991 |
|   |                       | Access>High, $p=.000$<br>Moderate>High, $p=.000$<br>Access>Moderate, $p=.003$<br>Moderate>Remote, $p=.030$<br>Very Remote>High, $p=.024$         |       |       |
| <b>Community Connectedness</b><br>Accessibility: $F(4,16936) = 46.75$ ,<br><b><math>p=.000</math></b><br>Partial Eta Squared = .011 | Highly Accessible     | 69.62  | 20.03 | 13410 |
|   | Accessible            | 74.46  | 18.97 | 2334  |
|   | Moderately Accessible | 75.27  | 19.11 | 746   |
|   | Remote                | 74.22  | 20.52 | 180   |
|   | Very Remote           | 73.94  | 20.61 | 274   |
|   | Total                 | 70.66  | 19.97 | 16944 |
|   |                       | High<Moderate, $p=.000$<br>High<Access, $p=.000$<br>High< Remote, $p=.001$<br>High<Very Remote, $p=.000$   |       |       |
| <b>Future Security</b><br>Accessibility: $F(4,16762) = 4.98$ ,<br><b><math>p=.001</math></b><br>Partial Eta Squared = .001          | Highly Accessible     | 70.21  | 19.71 | 13271 |
|   | Accessible            | 70.91  | 20.32 | 2313  |
|   | Moderately Accessible | 72.12  | 19.80 | 737   |
|   | Remote                | 68.87  | 21.37 | 177   |
|   | Very Remote           | 68.31  | 22.58 | 272   |
|   | Total                 | 70.35  | 19.87 | 16770 |
|   |                       | Access>High, $p=.010$<br>Moderate>High, $p=.001$<br>Access> Very Remote, $p=.020$<br>Moderate>Remote, $p=.041$<br>Moderate>Very Remote, $p=.002$ |       |       |
| <b>Life as a Whole</b><br>Accessibility: $F(4,17022) = 5.11$ ,<br><b><math>p=.000</math></b><br>Partial Eta Squared = .001          | Highly Accessible     | 77.36  | 17.18 | 13483 |
|   | Accessible            | 78.09  | 17.28 | 2345  |
|   | Moderately Accessible | 79.08  | 16.65 | 749   |
|   | Remote                | 76.06  | 19.36 | 180   |
|   | Very Remote           | 76.34  | 19.34 | 273   |
|   | Total                 | 77.51  | 17.23 | 17030 |
|   |                       | Access>High, $p=.005$<br>Moderate>High, $p=.001$<br>Moderate>Remote, $p=.028$<br>Moderate>Very Remote, $p=.009$                                  |       |       |
| <b>National Wellbeing</b><br>Accessibility: $F(4,15408) = 1.51$ ,<br>$p=.193$<br>Partial Eta Squared = .000                         | Highly Accessible     | 60.71  | 14.79 | 12231 |
|   | Accessible            | 60.22  | 14.59 | 2114  |
|   | Moderately Accessible | 60.74  | 14.77 | 665   |
|   | Remote                | 59.99  | 15.83 | 156   |
|   | Very Remote           | 58.66  | 15.98 | 250   |
|   | Total                 | 60.60  | 14.80 | 15416 |
|   |                       |  |       |       |
| <b>Economic Situation</b><br>Accessibility: $F(4,16637) = 6.97$ ,<br><b><math>p=.000</math></b><br>Partial Eta Squared = .002       | Highly Accessible     | 65.24  | 18.54 | 13197 |
|   | Accessible            | 63.17  | 19.23 | 2285  |
|   | Moderately Accessible | 63.38  | 19.06 | 724   |
|   | Remote                | 63.08  | 19.36 | 172   |
|   | Very Remote           | 61.20  | 20.74 | 267   |
|   | Total                 | 64.79  | 18.72 | 16645 |
|   |                       | High>Access, $p=.000$<br>High>Very Remote, $p=.000$<br>Access > Very Remote, $p=.020$<br>Moderate >Very Remote, $p=.024$                         |       |       |

| Question   | Capital City          | Mean  | SD    | N     |
|--|-----------------------|-------|-------|-------|
| <b>Natural Environment</b><br><br>Accessibility: $F(4,16838) = .77, p=.546$<br><br>Partial Eta Squared = .000      | Highly Accessible     | 59.35 | 18.92 | 13342 |
|  | Accessible            | 59.40 | 19.06 | 2319  |
|  | Moderately Accessible | 60.49 | 19.63 | 740   |
|  | Remote                | 59.42 | 19.46 | 172   |
|  | Very Remote           | 59.78 | 19.78 | 273   |
|  | Total                 | 59.41 | 18.99 | 16846 |
| <b>Social Conditions</b><br><br>Accessibility: $F(4,16762) = 3.28, p=.011$<br><br>Partial Eta Squared = .001       | Highly Accessible     | 62.07 | 18.22 | 13301 |
|  | Accessible            | 61.39 | 18.22 | 2295  |
|  | Moderately Accessible | 62.25 | 18.62 | 732   |
|  | Remote                | 60.40 | 19.75 | 175   |
|  | Very Remote           | 58.43 | 20.37 | 267   |
|  | Total                 | 61.91 | 18.30 | 16770 |
| High>Very Remote, $p=.002$<br>Access > Very Remote, $p=.012$<br>Moderate >Very Remote, $p=.003$                    |                       |       |       |       |
| <b>Government in Australia</b><br><br>Accessibility: $F(4,18835) = 2.28, p=.058$<br><br>Partial Eta Squared = .001 | Highly Accessible     | 54.24 | 24.63 | 13340 |
|  | Accessible            | 54.51 | 24.75 | 2317  |
|  | Moderately Accessible | 55.44 | 23.48 | 737   |
|  | Remote                | 56.48 | 24.47 | 176   |
|  | Very Remote           | 51.21 | 25.89 | 273   |
|  | Total                 | 54.31 | 24.62 | 16843 |
| Access>Very Remote, $p=.035$<br>Moderate >Very Remote, $p=.012$<br>Remote>Very Remote, $p=.023$                    |                       |       |       |       |
| <b>Business</b><br><br>Accessibility: $F(4,16235) = 2.44, p=.044$<br><br>Partial Eta Squared = .001                | Highly Accessible     | 60.23 | 18.48 | 12850 |
|  | Accessible            | 59.81 | 18.18 | 2242  |
|  | Moderately Accessible | 61.12 | 18.15 | 722   |
|  | Remote                | 62.10 | 19.60 | 167   |
|  | Very Remote           | 58.24 | 19.49 | 262   |
|  | Total                 | 60.20 | 18.46 | 16243 |
| Moderate >Very Remote, $p=.008$<br>Remote>Very Remote, $p=.015$  |                       |       |       |       |
| <b>National Security</b><br><br>Accessibility: $F(4,16477) = .85, p=.486$<br><br>Partial Eta Squared = .000        | Highly Accessible     | 62.99 | 19.61 | 13061 |
|  | Accessible            | 62.41 | 19.55 | 2266  |
|  | Moderately Accessible | 62.58 | 19.96 | 725   |
|  | Remote                | 60.42 | 21.78 | 166   |
|  | Very Remote           | 61.91 | 20.64 | 267   |
|  | Total                 | 62.85 | 19.66 | 16485 |
| <b>Life In Australia</b><br><br>Accessibility: $F(4,16943) = 1.24, p=.292$<br><br>Partial Eta Squared = .000       | Highly Accessible     | 82.07 | 17.66 | 13417 |
|  | Accessible            | 82.84 | 17.91 | 2335  |
|  | Moderately Accessible | 82.48 | 17.71 | 746   |
|  | Remote                | 81.83 | 19.04 | 180   |
|  | Very Remote           | 82.12 | 20.98 | 273   |
|  | Total                 | 82.19 | 17.77 | 16951 |

Table A7: Wellbeing Means and Standard Deviations According to Australian Capital City (Covariates of Age, Gender & Income)

| Question   | Capital City | Mean  | SD    | N     |
|--|--------------|---|-------|-------|
| <b>Personal Wellbeing</b><br>City: $F(7,9934) = 6.66, p=.000$<br>Partial Eta Squared = .005*   | Darwin       | 75.60   | 11.44 | 98    |
|  | Sydney       | 73.72   | 12.43 | 3158  |
|  | Canberra     | 75.39   | 10.86 | 378   |
|  | Melbourne    | 74.89   | 11.95 | 2621  |
|  | Brisbane     | 74.90   | 12.05 | 1318  |
|  | Adelaide     | 74.76   | 11.69 | 987   |
|  | Perth        | 73.43   | 11.69 | 1153  |
|  | Hobart       | 75.40   | 11.41 | 232   |
|  | Total        | 74.38   | 12.02 | 9945  |
|  |              | Darwin>Sydney, $p=.032$<br>Canberra>Sydney, $p=.022$<br>Melbourne>Sydney, $p=.000$<br>Brisbane>Sydney, $p=.000$<br>Adelaide>Sydney, $p=.000$<br>Hobart>Sydney, $p=.007$<br>Melbourne >Perth, $p=.002$<br>Brisbane>Perth, $p=.001$<br>Brisbane>Perth, $p=.001$<br>Hobart>Perth, $p=.022$ |       |       |
| <b>Standard of living</b><br>City: $F(7,10269) = 3.16, p=.002$<br>Partial Eta Squared = .002   | Darwin       | 76.60   | 19.50 | 100   |
|  | Sydney       | 76.28   | 17.37 | 3270  |
|  | Canberra     | 78.14   | 15.44 | 388   |
|  | Melbourne    | 77.00   | 16.79 | 2720  |
|  | Brisbane     | 77.44   | 17.06 | 1353  |
|  | Adelaide     | 77.11   | 17.07 | 1016  |
|  | Perth        | 76.97   | 16.69 | 1193  |
|  | Hobart       | 77.17   | 18.14 | 240   |
|  | Total        | 76.88   | 17.04 | 10280 |
|  |              | Melbourne>Sydney, $p=.003$<br>Brisbane>Sydney, $p=.000$<br>Adelaide>Sydney, $p=.003$<br>Canberra>Sydney, $p=.006$   |       |       |
| <b>Health</b><br>City: $F(7,10269) = 1.61, p=.127$<br>Partial Eta Squared = .001*              | Darwin       | 77.10   | 18.33 | 100   |
|  | Sydney       | 74.45   | 19.93 | 3271  |
|  | Canberra     | 75.23   | 17.73 | 388   |
|  | Melbourne    | 74.88   | 19.27 | 2723  |
|  | Brisbane     | 75.31   | 19.62 | 1352  |
|  | Adelaide     | 74.69   | 20.04 | 1016  |
|  | Perth        | 74.91   | 18.65 | 1190  |
|  | Hobart       | 75.83   | 18.88 | 240   |
|  | Total        | 74.84   | 19.46 | 10280 |
|  |              |   |       |       |
| <b>Achievements in life</b><br>City: $F(7,10226) = 1.66, p=.113$<br>Partial Eta Squared = .001 | Darwin       | 74.60   | 16.11 | 100   |
|  | Sydney       | 73.41   | 17.84 | 3254  |
|  | Canberra     | 75.43   | 16.10 | 387   |
|  | Melbourne    | 73.67   | 17.56 | 2711  |
|  | Brisbane     | 72.69   | 17.57 | 1347  |
|  | Adelaide     | 74.66   | 18.07 | 1012  |
|  | Perth        | 73.78   | 17.32 | 1186  |
|  | Hobart       | 73.25   | 17.15 | 240   |
|  | Total        | 73.64   | 17.60 | 10237 |
|  |              |   |       |       |

| Question  | Capital City   | Mean  | SD    | N     |
|---|--|-------|-------|-------|
| <b>Personal Relationships</b><br>City: $F(7,10247) = 3.14, p=.003$<br>Partial Eta Squared = .002* | Darwin   | 78.00 | 21.18 | 100   |
|   | Sydney   | 78.04 | 21.40 | 3264  |
|   | Canberra   | 79.51 | 18.84 | 387   |
|   | Melbourne  | 79.52 | 20.11 | 2718  |
|   | Brisbane   | 79.36 | 19.90 | 1349  |
|   | Adelaide   | 79.81 | 19.58 | 1011  |
|   | Perth  | 79.30 | 21.11 | 1191  |
|   | Hobart   | 80.80 | 20.06 | 238   |
|   | Total  | 79.05 | 20.54 | 10258 |
|   | Melbourne>Sydney, p=.000<br>Brisbane>Sydney, p=.002<br>Adelaide>Sydney, p=.003<br>Perth>Sydney, p=.013<br>Hobart>Sydney, p=.021  |       |       |       |
| <b>Safety</b><br>City: $F(7,10236) = 17.51, p=.000$<br>Partial Eta Squared = .012*                | Darwin   | 77.88 | 18.09 | 99    |
|   | Sydney   | 75.35 | 18.91 | 3259  |
|   | Canberra   | 77.60 | 16.75 | 387   |
|   | Melbourne  | 78.91 | 16.62 | 2711  |
|   | Brisbane   | 79.15 | 17.09 | 1351  |
|   | Adelaide   | 76.48 | 17.52 | 1012  |
|   | Perth  | 73.91 | 18.91 | 1188  |
|   | Hobart   | 78.54 | 17.69 | 240   |
|   | Total  | 76.92 | 17.93 | 10247 |
|   | Darwin>Perth, p=.043<br>Canberra>Sydney, p=.023<br>Melbourne>Sydney, p=.000<br>Brisbane>Sydney, p=.000<br>Adelaide>Sydney, p=.000<br>Hobart>Sydney, p=.002<br>Canberra>Perth, p=.003<br>Melbourne>Perth, p=.000<br>Melbourne>Adelaide, p=.002<br>Brisbane>Perth, p=.000<br>Brisbane>Adelaide, p=.001<br>Hobart>Perth, p=.000   |       |       |       |
| <b>Community connectedness</b><br>City: $F(7,10205) = 6.17, p=.000$<br>Partial Eta Squared = .004 | Darwin   | 74.30 | 17.99 | 100   |
|   | Sydney   | 68.26 | 20.37 | 3256  |
|   | Canberra   | 69.87 | 17.99 | 382   |
|   | Melbourne  | 69.16 | 20.16 | 2694  |
|   | Brisbane   | 69.63 | 19.74 | 1350  |
|   | Adelaide   | 70.16 | 19.49 | 1010  |
|   | Perth  | 66.86 | 19.84 | 1186  |
|   | Hobart   | 72.18 | 19.21 | 238   |
|   | Total  | 68.92 | 19.98 | 10216 |
|   | Darwin>Sydney, p=.001<br>Darwin>Canberra, p=.015<br>Darwin>Melbourne, p=.005<br>Darwin>Brisbane, p=.016<br>Darwin>Adelaide, p=.014<br>Darwin>Perth, p=.000<br>Melbourne>Sydney, p=.016<br>Brisbane>Sydney, p=.003<br>Adelaide>Sydney, p=.015<br>Hobart>Sydney, p=.003<br>Sydney>Perth, p=.039<br>Canberra>Perth, p=.015<br>Melbourne>Perth, p=.000<br>Brisbane>Perth, p=.000<br>Adelaide>Perth, p=.000<br>Hobart>Perth, p=.000 |       |       |       |

| Question  | Capital City | Mean  | SD  | N     |
|---|--------------|-------|---|-------|
| <b>Future security</b><br>City: $F(7,10095) = 2.65, p=.010$<br>Partial Eta Squared = .002   | Darwin       | 70.41 | 18.83   | 98    |
|   | Sydney       | 69.79 | 19.86   | 3211  |
|   | Canberra     | 70.65 | 18.98   | 386   |
|   | Melbourne    | 70.60 | 19.79   | 2667  |
|   | Brisbane     | 71.02 | 19.24   | 1334  |
|   | Adelaide     | 69.93 | 19.13   | 1001  |
|   | Perth        | 68.46 | 19.38   | 1174  |
|   | Hobart       | 70.26 | 18.72   | 235   |
|   | Total        | 70.08 | 19.57   | 10106 |
|   |              |       | Melbourne>Sydney, $p=.017$<br>Brisbane>Sydney, $p=.002$<br>Melbourne>Perth, $p=.002$<br>Brisbane>Perth, $p=.000$  |       |
| <b>Life as a whole</b><br>City: $F(7,10264) = 1.57, p=.139$<br>Partial Eta Squared = .001   | Darwin       | 77.70 | 15.88   | 100   |
|   | Sydney       | 76.92 | 17.12   | 3271  |
|   | Canberra     | 76.26 | 16.11   | 388   |
|   | Melbourne    | 77.35 | 17.00   | 2719  |
|   | Brisbane     | 77.22 | 16.92   | 1349  |
|   | Adelaide     | 76.77 | 18.07   | 1015  |
|   | Perth        | 77.42 | 16.31   | 1193  |
|   | Hobart       | 78.50 | 16.52   | 240   |
|   | Total        | 77.14 | 17.00   | 10275 |
|   |              |       |   |       |
| <b>National Wellbeing</b><br>City: $F(7,9307) = 6.23, p=.000$<br>Partial Eta Squared = .005 | Darwin       | 60.79 | 14.97   | 89    |
|   | Sydney       | 60.46 | 15.25   | 2952  |
|   | Canberra     | 58.83 | 14.89   | 359   |
|   | Melbourne    | 61.74 | 14.52   | 2457  |
|   | Brisbane     | 62.38 | 14.06   | 1240  |
|   | Adelaide     | 60.26 | 14.52   | 921   |
|   | Perth        | 60.37 | 14.36   | 1076  |
|   | Hobart       | 58.83 | 13.92   | 224   |
|   | Total        | 60.92 | 14.71   | 9318  |
|   |              |       | Brisbane>Sydney, $p=.000$<br>Brisbane>Canberra, $p=.000$<br>Brisbane>Adelaide, $p=.001$<br>Brisbane>Perth, $p=.001$<br>Brisbane>Hobart, $p=.001$<br>Sydney>Canberra, $p=.036$<br>Melbourne>Sydney, $p=.000$<br>Melbourne>Canberra, $p=.000$<br>Adelaide>Canberra, $p=.042$<br>Perth>Canberra, $p=.033$<br>Melbourne>Adelaide, $p=.018$<br>Melbourne>Perth, $p=.016$<br>Melbourne>Hobart, $p=.006$ |       |

| Question   | Capital City | Mean  | SD   | N     |
|--|--------------|-------|--|-------|
| <b>Economic situation</b><br>City: $F(7,10056) = 4.17, p=.000$<br>Partial Eta Squared = .003   | Darwin       | 65.15 | 18.97  | 99    |
|  | Sydney       | 65.18 | 18.56  | 3197  |
|  | Canberra     | 64.43 | 18.20  | 384   |
|  | Melbourne    | 66.54 | 17.93  | 2667  |
|  | Brisbane     | 66.79 | 17.81  | 1317  |
|  | Adelaide     | 64.39 | 18.53  | 1000  |
|  | Perth        | 65.20 | 17.80  | 1158  |
|  | Hobart       | 63.62 | 18.33  | 235   |
|  | Total        | 65.61 | 18.21  | 10057 |
|  |              |       | Brisbane>Sydney, $p=.000$<br>Melbourne>Sydney, $p=.000$<br>Brisbane>Canberra, $p=.007$<br>Melbourne>Canberra, $p=.003$<br>Brisbane>Adelaide, $p=.009$<br>Melbourne>Adelaide, $p=.004$<br>Brisbane>Hobart, $p=.017$<br>Melbourne>Hobart, $p=.035$<br>Brisbane>Perth, $p=.032$   |       |
| <b>Natural environment</b><br>City: $F(7,10148) = 7.96, p=.000$<br>Partial Eta Squared = .005* | Darwin       | 59.39 | 18.83  | 99    |
|  | Sydney       | 59.14 | 19.60  | 3228  |
|  | Canberra     | 56.36 | 18.90  | 385   |
|  | Melbourne    | 60.73 | 18.74  | 2681  |
|  | Brisbane     | 61.12 | 17.33  | 1335  |
|  | Adelaide     | 56.93 | 19.46  | 1010  |
|  | Perth        | 59.05 | 18.24  | 1183  |
|  | Hobart       | 59.03 | 19.32  | 238   |
|  | Total        | 59.49 | 18.92  | 10159 |
|  |              |       | Brisbane>Sydney, $p=.001$<br>Melbourne>Sydney, $p=.001$<br>Sydney>Canberra, $p=.006$<br>Brisbane>Canberra, $p=.000$<br>Melbourne>Canberra, $p=.000$<br>Perth>Canberra, $p=.015$<br>Sydney>Adelaide, $p=.001$<br>Melbourne>Adelaide, $p=.000$<br>Brisbane>Adelaide, $p=.000$<br>Perth>Adelaide, $p=.008$<br>Melbourne>Perth, $p=.008$<br>Brisbane>Perth, $p=.004$ |       |
| <b>Social conditions</b><br>City: $F(7,10130) = 6.98, p=.000$<br>Partial Eta Squared = .005    | Darwin       | 61.15 | 18.23  | 96    |
|  | Sydney       | 61.04 | 18.75  | 3233  |
|  | Canberra     | 60.16 | 17.89  | 382   |
|  | Melbourne    | 63.49 | 17.86  | 2680  |
|  | Brisbane     | 63.79 | 17.25  | 1339  |
|  | Adelaide     | 61.83 | 18.30  | 997   |
|  | Perth        | 61.98 | 18.29  | 1178  |
|  | Hobart       | 60.38 | 17.28  | 237   |
|  | Total        | 62.19 | 18.19  | 10142 |
|  |              |       | Brisbane>Sydney, $p=.000$<br>Melbourne>Sydney, $p=.000$<br>Brisbane>Canberra, $p=.000$<br>Melbourne>Canberra, $p=.000$<br>Brisbane>Adelaide, $p=.008$<br>Melbourne>Adelaide, $p=.015$<br>Brisbane>Perth, $p=.010$<br>Melbourne>Perth, $p=.018$<br>Brisbane>Hobart, $p=.007$<br>Melbourne>Hobart, $p=.012$  |       |

| Question   | Capital City | Mean  | SD   | N     |
|--|--------------|-------|--|-------|
| <b>Government in Australia</b><br>City: $F(7,10153) = 6.02, p=.000$<br>Partial Eta Squared = .004* | Darwin       | 56.80 | 24.32  | 100   |
|  | Sydney       | 54.07 | 25.13  | 3237  |
|  | Canberra     | 49.92 | 25.45  | 383   |
|  | Melbourne    | 54.30 | 24.42  | 2685  |
|  | Brisbane     | 56.70 | 23.68  | 1339  |
|  | Adelaide     | 54.36 | 24.38  | 1006  |
|  | Perth        | 54.04 | 23.61  | 1176  |
|  | Hobart       | 49.83 | 23.53  | 238   |
|  | Total        | 54.27 | 24.51  | 10164 |
|  |              |       | Darwin>Canberra, $p=.004$<br>Darwin>Hobart, $p=.010$<br>Brisbane>Sydney, $p=.000$<br>Brisbane>Canberra, $p=.000$<br>Brisbane>Melbourne, $p=.001$<br>Brisbane>Adelaide, $p=.008$<br>Brisbane>Perth, $p=.002$<br>Brisbane>Hobart, $p=.000$<br>Sydney> Hobart, $p=.013$<br>Melbourne>Hobart, $p=.005$<br>Adelaide>Hobart, $p=.010$<br>Perth>Hobart, $p=.014$<br>Sydney> Canberra, $p=.001$<br>Melbourne>Canberra, $p=.000$<br>Adelaide>Canberra, $p=.001$<br>Perth>Canberra, $p=.002$ |       |
| <b>Business</b><br>City: $F(7,9784) = 4.38, p=.000$<br>Partial Eta Squared = .003*                 | Darwin       | 58.87 | 18.98  | 97    |
|  | Sydney       | 59.78 | 19.28  | 3107  |
|  | Canberra     | 57.49 | 18.69  | 370   |
|  | Melbourne    | 61.09 | 18.25  | 2596  |
|  | Brisbane     | 61.64 | 17.37  | 1302  |
|  | Adelaide     | 60.45 | 18.10  | 961   |
|  | Perth        | 60.16 | 18.16  | 1129  |
|  | Hobart       | 58.54 | 16.67  | 233   |
|  | Total        | 60.36 | 18.45  | 9795  |
|  |              |       | Sydney>Canberra, $p=.021$<br>Melbourne>Canberra, $p=.000$<br>Brisbane>Canberra, $p=.000$<br>Adelaide>Canberra, $p=.001$<br>Perth>Canberra, $p=.004$<br>Melbourne>Sydney, $p=.002$<br>Brisbane>Sydney, $p=.001$<br>Brisbane>Hobart, $p=.026$  |       |
| <b>National security</b><br>City: $F(7,9943) = 3.74, p=.000$<br>Partial Eta Squared = .003         | Darwin       | 64.79 | 20.41  | 94    |
|  | Sydney       | 63.37 | 19.71  | 3162  |
|  | Canberra     | 63.22 | 18.71  | 382   |
|  | Melbourne    | 64.32 | 19.59  | 2632  |
|  | Brisbane     | 64.06 | 18.18  | 1306  |
|  | Adelaide     | 62.81 | 19.79  | 982   |
|  | Perth        | 61.11 | 19.48  | 1161  |
|  | Hobart       | 61.07 | 19.68  | 234   |
|  | Total        | 63.35 | 19.45  | 9953  |
|  |              |       | Melbourne>Sydney, $p=.031$<br>Melbourne>Perth, $p=.003$<br>Melbourne>Hobart, $p=.020$<br>Brisbane>Perth, $p=.000$<br>Brisbane>Hobart, $p=.034$<br>Adelaide>Perth, $p=.034$<br>Sydney>Perth, $p=.003$   |       |



| Question   | Capital City | Mean   | SD    | N     |
|--|--------------|--|-------|-------|
| <b>Life in Australia</b><br>City: $F(7,10212) = 5.78, p=.000$<br>Partial Eta Squared = .004* | Darwin       | 82.50  | 18.82 | 100   |
|  | Sydney       | 80.59  | 18.34 | 3247  |
|  | Canberra     | 81.55  | 18.29 | 387   |
|  | Melbourne    | 82.81  | 17.23 | 2707  |
|  | Brisbane     | 82.87  | 17.19 | 1350  |
|  | Adelaide     | 82.70  | 17.35 | 1010  |
|  | Perth        | 82.34  | 16.68 | 1185  |
|  | Hobart       | 79.92  | 16.77 | 237   |
|  | Total        | 81.93  | 17.60 | 10223 |
|  |              | Brisbane>Sydney, $p=.000$<br>Melbourne>Sydney, $p=.000$<br>Adelaide>Sydney, $p=.000$<br>Brisbane>Hobart, $p=.013$<br>Melbourne>Hobart, $p=.014$<br>Adelaide>Hobart, $p=.029$ |       |       |

Table A7.1: City Size and Personal Wellbeing

|           | PWI  | PWI Rank | Population (Million) | Population Rank | Area (Sq Km) | Area Rank | Density Pop/Area |
|-----------|------|----------|----------------------|-----------------|--------------|-----------|------------------|
| Darwin    | 75.6 | 1        | 0.1                  | 1               | 1,660        | 6         | 60.2             |
| Hobart    | 75.4 | 2        | 0.1                  | 1               | 1,360        | 4         | 73.5             |
| Canberra  | 75.4 | 3        | 0.3                  | 3               | 287          | 1         | 1,045            |
| Brisbane  | 74.9 | 4        | 1.6                  | 6               | 1,360        | 4         | 1,176            |
| Melbourne | 74.9 | 5        | 3.2                  | 7               | 2,025        | 7         | 1,580            |
| Adelaide  | 74.8 | 6        | 1.1                  | 4               | 870          | 2         | 1,264            |
| Sydney    | 73.7 | 7        | 4.0                  | 8               | 2,103        | 8         | 1,902            |
| Perth     | 73.4 | 8        | 1.3                  | 5               | 1,075        | 3         | 1,209            |

Source: Lonely Planet Online

Table A8: Wellbeing Means and Standard Deviations According to Community Connection (no covariates)

| Community Connection | N     | Mean  | SD    |
|----------------------|-------|-------|-------|
| 0                    | 176   | 49.59 | 18.06 |
| 10                   | 142   | 50.22 | 16.32 |
| 20                   | 345   | 54.28 | 14.43 |
| 30                   | 518   | 58.13 | 12.97 |
| 40                   | 837   | 62.03 | 11.72 |
| 50                   | 3054  | 67.95 | 10.85 |
| 60                   | 2673  | 71.20 | 8.69  |
| 70                   | 4532  | 74.80 | 8.50  |
| 80                   | 5380  | 78.48 | 8.51  |
| 90                   | 2817  | 82.37 | 8.33  |
| 100                  | 2438  | 86.62 | 9.07  |
| Total                | 22912 | 75.02 | 12.21 |

Welch (10,22901) = 1164.97, p=.000

Table A9: Community Connection and Income

| Community Connection | N     | Mean  | SD    |
|----------------------|-------|-------|-------|
| <\$15                | 2825  | 70.85 | 22.75 |
| \$15-\$30K           | 3765  | 71.52 | 20.86 |
| \$31-\$60K           | 5211  | 69.84 | 19.63 |
| \$61-\$90K           | 3042  | 70.76 | 18.26 |
| \$91-\$120K          | 1635  | 70.24 | 17.99 |
| \$121-\$150K         | 500   | 70.34 | 17.40 |
| \$151+K              | 220   | 71.91 | 18.13 |
| Total                | 17198 | 70.62 | 20.01 |

Welch (6,17191) = 2.91, p=.008  
 \$15-\$30K>\$31-\$60K, p=.003

Table A10: Community Connection x Gender

| Gender | N     | Mean  | SD    |
|--------|-------|-------|-------|
| Male   | 10901 | 68.72 | 20.53 |
| Female | 12626 | 72.08 | 19.51 |
| Total  | 10901 | 68.72 | 20.53 |

t(23525) = -12.85, p=.000

Table A11: Community Connection x Age

| Age   | N     | Mean  | SD    |
|-------|-------|-------|-------|
| 18-25 | 2322  | 64.80 | 20.78 |
| 26-35 | 3350  | 66.91 | 19.37 |
| 36-45 | 4554  | 69.96 | 19.71 |
| 46-55 | 4544  | 70.16 | 20.13 |
| 56-65 | 3712  | 72.85 | 19.34 |
| 66-75 | 2622  | 75.29 | 19.16 |
| 76+   | 1653  | 76.14 | 20.13 |
| Total | 22757 | 70.56 | 20.04 |

Welch (6,22750) = 106.98, p=.000

|                     |                     |
|---------------------|---------------------|
| 26-35>18-25, p=.002 | 56-65>36-45, p=.001 |
| 36-45>18-25, p=.000 | 66-75>36-45, p=.000 |
| 46-55>18-25, p=.000 | 76+ >36-45, p=.000  |
| 56-65>18-25, p=.007 |                     |
| 66-75>18-25, p=.000 | 56-65>46-55, p=.001 |
| 76+ >18-25, p=.000  | 66-75>46-55, p=.000 |
|                     | 76+ >46-55, p=.000  |
| 36-45>26-35, p=.001 |                     |
| 46-55>26-35, p=.001 | 66-75>56-65, p=.000 |
| 56-65>26-35, p=.001 | 76+ >56-65, p=.000  |
| 66-75>26-35, p=.000 |                     |
| 76+ >26-35, p=.000  |                     |

Table A12: Community Connectedness and Work Status

| Work Status                   | N    | Mean  | SD    |
|-------------------------------|------|-------|-------|
| Full time paid employment     | 2879 | 69.32 | 19.57 |
| Full time retired             | 2135 | 74.53 | 20.02 |
| Semi retired                  | 190  | 70.84 | 20.71 |
| Full time volunteer           | 31   | 81.29 | 21.41 |
| Full time home or family care | 752  | 70.78 | 19.50 |
| Full time study               | 260  | 64.12 | 22.33 |
| Unemployed                    | 358  | 63.44 | 25.26 |
| Total                         | 6605 | 70.75 | 20.47 |

Welch (6,6598) = 25.03, p=.000

FT retired > FT employed, p=.000  
 FT employed > FT study, p=.007  
 FT retired > FT home, p=.000  
 FT retired > FT study, p=.000  
 FT retired > FT employed, p=.000  
 Semi retired > FT study, p=.000  
 Semi retired > Unemployed, p=.000  
 Volunteer > FT study, p=.000  
 Volunteer > Unemployed, p=.000  
 FT home > FT study, p=.000  
 FT home > Unemployed, p=.000

Table A13: Capital City x Belongingness

| Belonging | N    | Mean  | SD    |
|-----------|------|-------|-------|
| Darwin    | 10   | 86.00 | 15.06 |
| Sydney    | 382  | 83.48 | 18.62 |
| Canberra  | 43   | 88.14 | 14.68 |
| Melbourne | 342  | 84.09 | 16.75 |
| Brisbane  | 173  | 85.49 | 18.12 |
| Adelaide  | 117  | 84.62 | 18.03 |
| Perth     | 135  | 82.44 | 21.70 |
| Hobart    | 27   | 87.04 | 20.72 |
| Total     | 1229 | 84.19 | 18.25 |

Welch (6,22750) = 106.98, p=.000

| Belonging | N    | Mean  | SD    |
|-----------|------|-------|-------|
| Sydney    | 382  | 83.48 | 18.62 |
| Melbourne | 342  | 84.09 | 16.75 |
| Brisbane  | 173  | 85.49 | 18.12 |
| Adelaide  | 117  | 84.62 | 18.03 |
| Perth     | 135  | 82.44 | 21.70 |
| Total     | 1149 | 83.96 | 18.33 |

F(4,1144) = .64, p=.635

Note: No significant differences in either analysis with covariates of age, gender and income

Table A14: Sense of Belonging x Income

| Belonging    | N    | Mean  | SD    |
|--------------|------|-------|-------|
| <\$15        | 314  | 87.71 | 16.32 |
| \$15-\$30K   | 307  | 87.33 | 18.20 |
| \$31-\$60K   | 461  | 85.27 | 16.60 |
| \$61-\$90K   | 297  | 84.21 | 17.27 |
| \$91-\$120K  | 149  | 84.77 | 16.34 |
| \$121-\$150K | 101  | 82.18 | 19.11 |
| Total        | 1629 | 85.70 | 17.17 |

F (5,1623) = 2.87, p=.014

Table A15: Sense of Belonging x Age

| Age   | N    | Mean  | SD    |
|-------|------|-------|-------|
| 18-25 | 178  | 81.63 | 19.23 |
| 26-35 | 304  | 81.81 | 19.10 |
| 36-45 | 410  | 83.34 | 18.23 |
| 46-55 | 394  | 85.38 | 17.19 |
| 56-65 | 287  | 87.87 | 16.15 |
| 66-75 | 232  | 89.96 | 15.33 |
| 76+   | 135  | 91.11 | 13.70 |
| Total | 1940 | 85.36 | 17.61 |

Welch(6,1933) = 11.81, p=.000

56-65>18-25, p=.007

66-75>18-25, p=.000

76+ >18-25, p=.000

56-65>26-35, p=.001

66-75>26-35, p=.000

76+ >26-35, p=.000

56-65>36-45, p=.012

66-75>36-45, p=.000

76+ >36-45, p=.000

66-75>46-55, p=.013

76+ >46-55, p=.002

Table A16: Statistical Significance According to ARIA Divisions and Covariates

| Domain             | No covariates | Income covariate | Age Covariate | Gender Covariate |
|--------------------|---------------|------------------|---------------|------------------|
| PWB                | .000          | .000             | .000          | .000             |
| Standard of living | <b>.179</b>   | <b>.002</b>      | .070          | .083             |
| Health             | <b>.076</b>   | <b>.003</b>      | .071          | .065             |
| Achievements       | .001          | .000             | .013          | .001             |
| Rel/ships          | .000          | .000             | .000          | .000             |
| Safety             | .000          | .000             | .000          | .000             |
| Community          | .000          | .000             | .000          | .000             |
| Future security    | <b>.193</b>   | <b>.001</b>      | .228          | .153             |
| Life as a whole    | .001          | .000             | .005          | .001             |
| NWB                | <b>.084</b>   | <b>.000</b>      | .000          | .069             |
| Economic situation | .000          | .000             | .000          | .000             |
| Environment        | .785          | .550             | .640          | .781             |
| Social conditions  | .018          | .007             | .010          | .018             |
| Government         | .506          | .039             | .734          | .505             |
| Business           | .238          | .023             | .278          | .243             |
| National security  | .039          | .450             | .024          | .042             |
| Life in Australia  | .533          | .332             | .713          | .547             |

Table A17: Means &amp; Standard Deviations According to Remoteness and Covariates

| Domain                 | City          | N     | No covariates |       | Income |       | Age   |       | Gender |       |
|------------------------|---------------|-------|---------------|-------|--------|-------|-------|-------|--------|-------|
|                        |               |       | Mean          | SD    | Mean   | SD    | Mean  | SD    | Mean   | SD    |
| PWB                    | Highly Access | 18032 | 74.76         | 12.10 | 74.61  | 12.15 | 74.79 | 12.06 | 74.76  | 12.10 |
|                        | Accessible    | 2936  | 76.19         | 12.29 | 76.22  | 12.20 | 76.23 | 12.28 | 76.19  | 12.29 |
|                        | Mod Access    | 961   | 77.06         | 12.12 | 77.21  | 11.49 | 77.18 | 12.07 | 77.06  | 12.12 |
|                        | Remote        | 219   | 74.45         | 13.56 | 74.94  | 13.22 | 74.40 | 13.62 | 74.45  | 13.56 |
|                        | Very Remote   | 344   | 75.59         | 12.69 | 75.08  | 12.80 | 75.65 | 12.60 | 75.59  | 12.69 |
|                        | Total         | 22492 | 75.05         | 12.16 | 74.96  | 12.17 | 75.09 | 12.13 | 75.05  | 12.16 |
| Standard of living     | Highly Access | 18670 | 77.39         | 17.10 | 76.95  | 17.16 | 77.39 | 17.07 | 77.39  | 17.07 |
|                        | Accessible    | 3019  | 77.27         | 18.16 | 77.20  | 17.94 | 77.27 | 18.13 | 77.27  | 18.13 |
|                        | Mod Access    | 987   | 77.62         | 17.61 | 77.53  | 16.97 | 77.81 | 17.45 | 77.81  | 17.45 |
|                        | Remote        | 226   | 74.47         | 19.91 | 74.25  | 20.11 | 74.42 | 19.99 | 74.42  | 19.99 |
|                        | Very Remote   | 351   | 76.24         | 18.92 | 75.52  | 19.75 | 76.27 | 18.90 | 76.27  | 18.90 |
|                        | Total         | 23253 | 77.33         | 17.32 | 76.96  | 17.34 | 77.35 | 17.29 | 77.35  | 17.29 |
| Health                 | Highly Access | 18667 | 75.08         | 19.73 | 74.85  | 19.74 | 75.08 | 19.72 | 75.08  | 19.73 |
|                        | Accessible    | 3018  | 75.01         | 20.42 | 75.21  | 20.14 | 75.09 | 20.45 | 75.01  | 20.42 |
|                        | Mod Access    | 986   | 76.64         | 19.15 | 76.49  | 18.41 | 76.60 | 18.99 | 76.64  | 19.15 |
|                        | Remote        | 226   | 72.92         | 22.60 | 75.08  | 20.70 | 72.99 | 22.64 | 72.92  | 22.60 |
|                        | Very Remote   | 351   | 75.04         | 21.39 | 74.22  | 22.05 | 75.06 | 21.46 | 75.04  | 21.39 |
|                        | Total         | 23248 | 75.12         | 19.85 | 74.97  | 19.79 | 75.13 | 19.85 | 75.12  | 19.85 |
| Achievements           | Highly Access | 18581 | 73.99         | 17.74 | 73.73  | 17.85 | 74.01 | 17.72 | 73.99  | 17.74 |
|                        | Accessible    | 3014  | 75.30         | 17.90 | 75.17  | 17.86 | 75.26 | 17.92 | 75.30  | 17.90 |
|                        | Mod Access    | 986   | 74.99         | 18.39 | 74.86  | 18.36 | 74.95 | 18.41 | 74.99  | 18.39 |
|                        | Remote        | 225   | 72.93         | 20.25 | 73.87  | 19.36 | 72.87 | 20.33 | 72.93  | 20.25 |
|                        | Very Remote   | 349   | 73.15         | 18.08 | 72.90  | 18.04 | 73.31 | 17.97 | 73.15  | 18.08 |
|                        | Total         | 23155 | 74.18         | 17.83 | 73.96  | 17.90 | 74.19 | 17.81 | 74.18  | 17.83 |
| Personal relationships | Highly Access | 18619 | 79.52         | 20.44 | 79.31  | 20.70 | 79.53 | 20.40 | 79.52  | 20.44 |
|                        | Accessible    | 3011  | 81.23         | 20.62 | 81.15  | 20.85 | 81.24 | 20.58 | 81.23  | 20.62 |
|                        | Mod Access    | 985   | 81.61         | 20.65 | 82.14  | 19.52 | 81.66 | 20.61 | 81.61  | 20.65 |
|                        | Remote        | 226   | 79.82         | 22.27 | 80.22  | 21.26 | 79.69 | 22.32 | 79.82  | 22.27 |
|                        | Very Remote   | 350   | 80.03         | 20.42 | 80.04  | 20.39 | 80.20 | 20.28 | 80.03  | 20.42 |
|                        | Total         | 23191 | 79.84         | 20.50 | 79.71  | 20.68 | 79.86 | 20.46 | 79.84  | 20.50 |
| Safety                 | Highly Access | 18611 | 77.21         | 18.21 | 77.37  | 18.02 | 77.28 | 18.16 | 77.21  | 18.21 |
|                        | Accessible    | 3008  | 79.24         | 18.75 | 79.36  | 18.47 | 79.28 | 18.70 | 79.24  | 18.75 |
|                        | Mod Access    | 983   | 80.99         | 18.20 | 81.75  | 17.36 | 81.15 | 18.01 | 80.99  | 18.20 |
|                        | Remote        | 226   | 78.32         | 22.13 | 78.56  | 21.79 | 78.17 | 22.16 | 78.32  | 22.13 |
|                        | Very Remote   | 351   | 80.20         | 19.75 | 80.07  | 19.98 | 80.29 | 19.71 | 80.20  | 19.75 |
|                        | Total         | 23179 | 77.69         | 18.38 | 77.89  | 18.16 | 77.76 | 18.33 | 77.69  | 18.38 |
| Community              | Highly Access | 18543 | 69.56         | 20.06 | 69.57  | 20.07 | 69.59 | 20.04 | 69.56  | 20.06 |
|                        | Accessible    | 3006  | 74.42         | 19.10 | 74.47  | 18.99 | 74.40 | 19.10 | 74.42  | 19.10 |
|                        | Mod Access    | 984   | 75.37         | 19.96 | 75.32  | 19.25 | 75.56 | 19.62 | 75.37  | 19.96 |
|                        | Remote        | 224   | 73.17         | 21.85 | 74.09  | 20.54 | 73.29 | 21.89 | 73.17  | 21.85 |
|                        | Very Remote   | 350   | 74.46         | 19.89 | 73.97  | 20.54 | 74.32 | 19.93 | 74.46  | 19.89 |
|                        | Total         | 23107 | 70.54         | 20.05 | 70.61  | 20.00 | 70.58 | 20.02 | 70.54  | 20.05 |
| Future security        | Highly Access | 18345 | 70.38         | 19.71 | 70.20  | 19.75 | 70.43 | 19.64 | 70.38  | 19.71 |
|                        | Accessible    | 2973  | 70.99         | 20.55 | 70.84  | 20.36 | 71.09 | 20.51 | 70.99  | 20.55 |
|                        | Mod Access    | 970   | 71.67         | 21.15 | 72.20  | 19.76 | 71.80 | 20.97 | 71.67  | 21.15 |
|                        | Remote        | 222   | 69.64         | 21.18 | 68.93  | 21.33 | 69.55 | 21.26 | 69.64  | 21.18 |
|                        | Very Remote   | 348   | 69.71         | 22.22 | 68.33  | 22.48 | 69.77 | 22.15 | 69.71  | 22.22 |
|                        | Total         | 22858 | 70.50         | 19.94 | 70.34  | 19.90 | 70.56 | 19.87 | 70.50  | 19.94 |
| Life as a whole        | Highly Access | 18658 | 77.51         | 17.27 | 77.36  | 17.24 | 77.52 | 17.18 | 77.51  | 17.27 |
|                        | Accessible    | 3018  | 78.34         | 17.38 | 78.11  | 17.33 | 78.37 | 17.33 | 78.34  | 17.38 |
|                        | Mod Access    | 986   | 79.40         | 17.51 | 79.13  | 16.63 | 79.31 | 17.45 | 79.40  | 17.51 |
|                        | Remote        | 226   | 75.80         | 19.72 | 76.19  | 19.39 | 75.71 | 19.74 | 75.80  | 19.72 |
|                        | Very Remote   | 350   | 77.17         | 18.64 | 76.34  | 19.28 | 77.04 | 18.66 | 77.17  | 18.64 |
|                        | Total         | 23238 | 77.68         | 17.35 | 77.51  | 17.29 | 77.68 | 17.27 | 77.68  | 17.35 |
| NWB                    | Highly Access | 15558 | 61.03         | 14.74 | 60.68  | 14.82 | 61.04 | 14.72 | 61.03  | 14.74 |
|                        | Accessible    | 2520  | 60.36         | 14.73 | 60.19  | 14.64 | 60.36 | 14.69 | 60.36  | 14.73 |
|                        | Mod Access    | 795   | 60.54         | 15.28 | 60.80  | 14.73 | 60.51 | 15.19 | 60.54  | 15.28 |
|                        | Remote        | 184   | 59.23         | 16.02 | 60.05  | 15.79 | 59.17 | 16.05 | 59.23  | 16.02 |
|                        | Very Remote   | 296   | 59.88         | 16.01 | 58.60  | 15.94 | 59.94 | 15.99 | 59.88  | 16.01 |
|                        | Total         | 19353 | 60.89         | 14.80 | 60.58  | 14.82 | 60.90 | 14.77 | 60.89  | 14.80 |
| Economic situation     | Highly Access | 18237 | 64.73         | 18.84 | 65.16  | 18.58 | 64.86 | 18.82 | 64.73  | 18.84 |
|                        | Accessible    | 2932  | 62.75         | 19.44 | 63.10  | 19.29 | 62.90 | 19.39 | 62.75  | 19.44 |
|                        | Mod Access    | 952   | 61.74         | 20.39 | 63.36  | 19.08 | 62.34 | 19.79 | 61.74  | 20.39 |
|                        | Remote        | 213   | 62.21         | 19.63 | 63.01  | 19.33 | 62.32 | 19.68 | 62.21  | 19.63 |
|                        | Very Remote   | 339   | 61.68         | 20.89 | 61.15  | 20.64 | 61.80 | 20.89 | 61.68  | 20.89 |
|                        | Total         | 22673 | 64.28         | 19.05 | 64.72  | 18.76 | 64.43 | 18.99 | 64.28  | 19.05 |

| Domain            | City          | N     | No covariates |       | Income |       | Age   |       | Gender |       |
|-------------------|---------------|-------|---------------|-------|--------|-------|-------|-------|--------|-------|
|                   |               |       | Mean          | SD    | Mean   | SD    | Mean  | SD    | Mean   | SD    |
| Environment       | Highly Access | 18447 | 59.66         | 18.84 | 59.36  | 18.94 | 59.65 | 18.83 | 59.66  | 18.84 |
|                   | Accessible    | 2987  | 59.49         | 19.28 | 59.36  | 19.10 | 59.53 | 19.27 | 59.49  | 19.28 |
|                   | Mod Access    | 973   | 59.85         | 20.01 | 60.59  | 19.63 | 59.80 | 20.03 | 59.85  | 20.01 |
|                   | Remote        | 217   | 58.71         | 19.91 | 59.54  | 19.46 | 58.56 | 19.94 | 58.71  | 19.91 |
|                   | Very Remote   | 349   | 60.60         | 19.78 | 59.64  | 19.74 | 60.67 | 19.85 | 60.60  | 19.78 |
|                   | Total         | 22973 | 59.65         | 18.97 | 59.42  | 19.01 | 59.65 | 18.97 | 59.65  | 18.97 |
| Social Conditions | Highly Access | 18380 | 62.22         | 18.28 | 62.03  | 18.24 | 62.26 | 18.25 | 62.22  | 18.28 |
|                   | Accessible    | 2956  | 61.54         | 18.40 | 61.35  | 18.23 | 61.58 | 18.37 | 61.54  | 18.40 |
|                   | Mod Access    | 965   | 61.53         | 19.19 | 62.38  | 18.61 | 61.39 | 18.94 | 61.53  | 19.19 |
|                   | Remote        | 220   | 60.68         | 20.09 | 60.51  | 19.75 | 60.46 | 20.04 | 60.68  | 20.09 |
|                   | Very Remote   | 342   | 59.59         | 20.67 | 58.41  | 20.26 | 59.58 | 20.78 | 59.59  | 20.67 |
|                   | Total         | 22863 | 62.05         | 18.39 | 61.88  | 18.31 | 62.08 | 18.36 | 62.05  | 18.39 |
| Government        | Highly Access | 17162 | 54.73         | 24.58 | 54.28  | 24.66 | 54.67 | 24.57 | 54.73  | 24.58 |
|                   | Accessible    | 2801  | 54.69         | 24.75 | 54.57  | 24.82 | 54.61 | 24.70 | 54.69  | 24.75 |
|                   | Mod Access    | 890   | 54.94         | 24.40 | 55.50  | 23.46 | 54.86 | 24.28 | 54.94  | 24.40 |
|                   | Remote        | 209   | 54.78         | 25.55 | 56.55  | 24.42 | 54.71 | 25.59 | 54.78  | 25.55 |
|                   | Very Remote   | 330   | 52.27         | 25.93 | 51.09  | 25.82 | 52.37 | 25.99 | 52.27  | 25.93 |
|                   | Total         | 21392 | 54.70         | 24.63 | 54.35  | 24.65 | 54.63 | 24.61 | 54.70  | 24.63 |
| Business          | Highly Access | 16474 | 60.56         | 18.42 | 60.16  | 18.51 | 60.60 | 18.40 | 60.56  | 18.42 |
|                   | Accessible    | 2697  | 59.99         | 18.28 | 59.78  | 18.24 | 60.00 | 18.24 | 59.99  | 18.28 |
|                   | Mod Access    | 868   | 61.01         | 18.70 | 61.26  | 18.12 | 60.92 | 18.60 | 61.01  | 18.70 |
|                   | Remote        | 200   | 60.60         | 21.09 | 62.20  | 19.59 | 60.50 | 21.10 | 60.60  | 21.09 |
|                   | Very Remote   | 316   | 58.83         | 19.85 | 58.14  | 19.46 | 58.94 | 19.74 | 58.83  | 19.85 |
|                   | Total         | 20555 | 60.48         | 18.47 | 60.15  | 18.49 | 60.51 | 18.44 | 60.48  | 18.47 |
| National security | Highly Access | 16763 | 63.17         | 19.56 | 62.93  | 19.64 | 63.24 | 19.52 | 63.17  | 19.56 |
|                   | Accessible    | 2734  | 62.52         | 19.77 | 62.39  | 19.55 | 62.51 | 19.78 | 62.52  | 19.77 |
|                   | Mod Access    | 872   | 62.11         | 20.67 | 62.64  | 19.95 | 62.14 | 20.56 | 62.11  | 20.67 |
|                   | Remote        | 198   | 59.75         | 21.85 | 60.42  | 21.71 | 59.75 | 21.91 | 59.75  | 21.85 |
|                   | Very Remote   | 323   | 62.82         | 20.79 | 61.85  | 20.57 | 62.83 | 20.76 | 62.82  | 20.79 |
|                   | Total         | 20890 | 63.00         | 19.68 | 62.80  | 19.68 | 63.05 | 19.65 | 63.00  | 19.68 |
| Life in Australia | Highly Access | 18560 | 81.64         | 17.91 | 82.03  | 17.69 | 81.73 | 17.87 | 81.64  | 17.91 |
|                   | Accessible    | 3009  | 82.07         | 18.46 | 82.77  | 17.96 | 82.21 | 18.37 | 82.07  | 18.46 |
|                   | Mod Access    | 983   | 80.97         | 19.54 | 82.38  | 17.90 | 81.37 | 19.12 | 80.97  | 19.54 |
|                   | Remote        | 225   | 81.24         | 18.67 | 81.93  | 19.04 | 81.21 | 18.69 | 81.24  | 18.67 |
|                   | Very Remote   | 350   | 81.80         | 20.59 | 81.96  | 20.95 | 81.94 | 20.66 | 81.80  | 20.59 |
|                   | Total         | 23127 | 81.66         | 18.11 | 82.14  | 17.81 | 81.77 | 18.04 | 81.66  | 18.11 |

Table A18: Statistical Significance According to Capital City and Covariates

| Domain             | No covariates | Income covariate | Age Covariate | Gender Covariate |
|--------------------|---------------|------------------|---------------|------------------|
| PWB                | .000          | .000             | .000          | .000             |
| Standard of living | .621          | .608             | .605          | .626             |
| Health             | .531          | .165             | .369          | .553             |
| Achievements       | .179          | .044             | .390          | .209             |
| Rel/ships          | .026          | .010             | .039          | .027             |
| Safety             | .000          | .000             | .000          | .000             |
| Community          | .000          | .001             | .000          | .000             |
| Future security    | .018          | .059             | .003          | .017             |
| Life as a whole    | .534          | .318             | .547          | .548             |
| NWB                | .000          | .000             | .000          | .000             |
| Economic situation | .011          | .001             | .010          | .013             |
| Environment        | .000          | .000             | .000          | .000             |
| Social conditions  | .000          | .000             | .000          | .000             |
| Government         | .000          | .000             | .000          | .000             |
| Business           | .000          | .000             | .000          | .000             |
| National security  | .000          | .001             | .001          | .000             |
| Life in Australia  | .000          | .000             | .000          | .000             |

Table A19: Wellbeing Means and Standard Deviations According to Capital City and Covariates

| Domain                 | City      | N     | No covariates |       | Income |       | Age   |       | Gender |       |
|------------------------|-----------|-------|---------------|-------|--------|-------|-------|-------|--------|-------|
|                        |           |       | Mean          | SD    | Mean   | SD    | Mean  | SD    | Mean   | SD    |
| PWB                    | Darwin    | 128   | 75.19         | 12.04 | 75.22  | 11.97 | 75.65 | 11.51 | 75.19  | 12.04 |
|                        | Sydney    | 4384  | 73.84         | 12.35 | 73.69  | 12.50 | 73.86 | 12.31 | 73.84  | 12.35 |
|                        | Canberra  | 487   | 75.02         | 11.20 | 75.34  | 10.80 | 75.01 | 11.27 | 75.02  | 11.20 |
|                        | Melbourne | 3800  | 75.09         | 11.83 | 74.91  | 12.02 | 75.07 | 11.77 | 75.09  | 11.83 |
|                        | Brisbane  | 1841  | 74.99         | 12.04 | 74.84  | 12.11 | 75.01 | 12.02 | 74.99  | 12.04 |
|                        | Adelaide  | 1364  | 74.75         | 11.84 | 74.73  | 11.75 | 74.76 | 11.85 | 74.75  | 11.84 |
|                        | Perth     | 1557  | 73.87         | 11.79 | 73.46  | 11.66 | 73.90 | 11.79 | 73.87  | 11.79 |
|                        | Hobart    | 288   | 75.42         | 11.61 | 75.40  | 11.41 | 75.44 | 11.58 | 75.42  | 11.61 |
|                        | Total     | 13849 | 74.52         | 12.01 | 74.36  | 12.07 | 74.53 | 11.98 | 74.52  | 12.01 |
| Standard of living     | Darwin    | 130   | 77.08         | 19.35 | 76.34  | 19.58 | 77.94 | 18.86 | 77.08  | 19.35 |
|                        | Sydney    | 4552  | 76.93         | 17.29 | 76.31  | 17.42 | 76.89 | 17.25 | 76.93  | 17.29 |
|                        | Canberra  | 502   | 77.99         | 15.83 | 78.15  | 15.33 | 77.88 | 15.92 | 77.99  | 15.83 |
|                        | Melbourne | 3967  | 77.57         | 16.56 | 77.09  | 16.82 | 77.52 | 16.53 | 77.57  | 16.56 |
|                        | Brisbane  | 1900  | 77.71         | 16.91 | 77.45  | 17.08 | 77.66 | 16.92 | 77.71  | 16.91 |
|                        | Adelaide  | 1406  | 77.45         | 17.01 | 77.07  | 17.13 | 77.51 | 16.98 | 77.45  | 17.01 |
|                        | Perth     | 1614  | 77.51         | 16.66 | 76.93  | 16.71 | 77.58 | 16.64 | 77.51  | 16.66 |
|                        | Hobart    | 298   | 77.65         | 17.94 | 77.17  | 18.14 | 77.68 | 17.97 | 77.65  | 17.94 |
|                        | Total     | 14369 | 77.38         | 16.93 | 76.90  | 17.07 | 77.36 | 16.90 | 77.38  | 16.93 |
| Health                 | Darwin    | 130   | 76.92         | 18.34 | 76.83  | 18.44 | 77.38 | 17.99 | 76.92  | 18.34 |
|                        | Sydney    | 4552  | 74.71         | 19.89 | 74.50  | 19.92 | 74.67 | 19.92 | 74.71  | 19.89 |
|                        | Canberra  | 502   | 75.44         | 17.52 | 75.23  | 17.65 | 75.50 | 17.59 | 75.44  | 17.52 |
|                        | Melbourne | 3970  | 75.29         | 19.44 | 74.93  | 19.34 | 75.23 | 19.37 | 75.29  | 19.44 |
|                        | Brisbane  | 1898  | 75.51         | 19.27 | 75.27  | 19.66 | 75.51 | 19.30 | 75.51  | 19.27 |
|                        | Adelaide  | 1405  | 75.08         | 19.98 | 74.65  | 20.12 | 75.02 | 20.05 | 75.08  | 19.98 |
|                        | Perth     | 1612  | 75.59         | 18.63 | 74.97  | 18.62 | 75.53 | 18.66 | 75.59  | 18.63 |
|                        | Hobart    | 298   | 76.14         | 18.70 | 75.83  | 18.88 | 76.21 | 18.76 | 76.14  | 18.70 |
|                        | Total     | 14367 | 75.18         | 19.44 | 74.87  | 19.48 | 75.15 | 19.44 | 75.18  | 19.44 |
| Achievements           | Darwin    | 130   | 75.23         | 15.76 | 74.46  | 16.09 | 75.40 | 15.93 | 75.23  | 15.76 |
|                        | Sydney    | 4526  | 73.47         | 17.78 | 73.34  | 17.92 | 73.49 | 17.75 | 73.47  | 17.78 |
|                        | Canberra  | 501   | 74.09         | 16.82 | 75.27  | 16.08 | 74.10 | 16.89 | 74.09  | 16.82 |
|                        | Melbourne | 3947  | 74.07         | 17.44 | 73.70  | 17.62 | 74.02 | 17.40 | 74.07  | 17.44 |
|                        | Brisbane  | 1892  | 73.19         | 17.33 | 72.67  | 17.61 | 73.22 | 17.30 | 73.19  | 17.33 |
|                        | Adelaide  | 1400  | 74.58         | 18.05 | 74.64  | 18.04 | 74.56 | 18.05 | 74.58  | 18.05 |
|                        | Perth     | 1603  | 74.35         | 17.47 | 73.80  | 17.36 | 74.34 | 17.43 | 74.35  | 17.47 |
|                        | Hobart    | 298   | 73.39         | 16.96 | 73.25  | 17.15 | 73.40 | 17.22 | 73.39  | 16.96 |
|                        | Total     | 14297 | 73.84         | 17.56 | 73.61  | 17.65 | 73.84 | 17.54 | 73.84  | 17.56 |
| Personal relationships | Darwin    | 130   | 77.92         | 20.45 | 78.12  | 21.11 | 77.78 | 20.70 | 77.92  | 20.45 |
|                        | Sydney    | 4543  | 78.36         | 20.95 | 78.05  | 21.40 | 78.36 | 20.96 | 78.36  | 20.95 |
|                        | Canberra  | 501   | 78.66         | 19.27 | 79.52  | 18.83 | 78.55 | 19.34 | 78.66  | 19.27 |
|                        | Melbourne | 3958  | 79.77         | 19.87 | 79.54  | 20.15 | 79.77 | 19.79 | 79.77  | 19.87 |
|                        | Brisbane  | 1887  | 79.42         | 19.95 | 79.30  | 20.12 | 79.43 | 19.81 | 79.42  | 19.95 |
|                        | Adelaide  | 1399  | 79.99         | 19.58 | 79.75  | 19.64 | 79.99 | 19.57 | 79.99  | 19.58 |
|                        | Perth     | 1609  | 79.85         | 21.02 | 79.26  | 21.30 | 79.94 | 20.85 | 79.85  | 21.02 |
|                        | Hobart    | 295   | 80.24         | 20.81 | 80.80  | 20.06 | 80.53 | 20.77 | 80.24  | 20.81 |
|                        | Total     | 14322 | 79.26         | 20.34 | 79.04  | 20.60 | 79.27 | 20.29 | 79.26  | 20.34 |
| Safety                 | Darwin    | 129   | 75.97         | 20.33 | 77.10  | 19.61 | 76.64 | 19.09 | 75.97  | 20.33 |
|                        | Sydney    | 4538  | 75.34         | 18.95 | 75.31  | 18.93 | 75.44 | 18.87 | 75.34  | 18.95 |
|                        | Canberra  | 498   | 77.79         | 16.67 | 77.51  | 16.70 | 77.95 | 16.63 | 77.79  | 16.67 |
|                        | Melbourne | 3947  | 78.44         | 17.21 | 78.82  | 16.74 | 78.48 | 17.16 | 78.44  | 17.21 |
|                        | Brisbane  | 1897  | 78.96         | 17.26 | 79.07  | 17.19 | 78.92 | 17.24 | 78.96  | 17.26 |
|                        | Adelaide  | 1402  | 76.23         | 18.04 | 76.35  | 17.61 | 76.30 | 18.06 | 76.23  | 18.04 |
|                        | Perth     | 1610  | 73.66         | 18.91 | 73.97  | 18.92 | 73.77 | 18.88 | 73.66  | 18.91 |
|                        | Hobart    | 298   | 78.52         | 18.18 | 78.54  | 17.69 | 78.53 | 18.09 | 78.52  | 18.18 |
|                        | Total     | 14319 | 76.73         | 18.18 | 76.86  | 18.00 | 76.79 | 18.12 | 76.73  | 18.18 |
| Community              | Darwin    | 130   | 73.08         | 18.34 | 73.76  | 18.70 | 73.33 | 17.93 | 73.08  | 18.34 |
|                        | Sydney    | 4525  | 68.26         | 20.29 | 68.14  | 20.45 | 68.31 | 20.29 | 68.26  | 20.29 |
|                        | Canberra  | 496   | 69.23         | 18.56 | 69.82  | 17.89 | 69.30 | 18.53 | 69.23  | 18.56 |
|                        | Melbourne | 3921  | 69.41         | 20.10 | 69.16  | 20.17 | 69.32 | 20.08 | 69.41  | 20.10 |
|                        | Brisbane  | 1890  | 69.31         | 19.99 | 69.54  | 19.80 | 69.35 | 19.93 | 69.31  | 19.99 |
|                        | Adelaide  | 1398  | 69.74         | 19.17 | 70.24  | 19.48 | 69.71 | 19.24 | 69.74  | 19.17 |
|                        | Perth     | 1606  | 67.29         | 20.18 | 66.82  | 19.87 | 67.42 | 20.21 | 67.29  | 20.18 |
|                        | Hobart    | 296   | 71.93         | 19.45 | 72.18  | 19.21 | 71.66 | 19.73 | 71.93  | 19.45 |
|                        | Total     | 14262 | 68.91         | 20.01 | 68.86  | 20.02 | 68.91 | 20.00 | 68.91  | 20.01 |



| Domain             | City      | N     | No covariates |       | Income |       | Age   |       | Gender |       |
|--------------------|-----------|-------|---------------|-------|--------|-------|-------|-------|--------|-------|
|                    |           |       | Mean          | SD    | Mean   | SD    | Mean  | SD    | Mean   | SD    |
| Future security    | Darwin    | 128   | 69.92         | 21.05 | 69.70  | 20.02 | 70.81 | 19.94 | 69.92  | 21.05 |
|                    | Sydney    | 4463  | 69.72         | 19.89 | 69.76  | 19.97 | 69.75 | 19.80 | 69.72  | 19.89 |
|                    | Canberra  | 498   | 70.68         | 18.98 | 70.66  | 18.86 | 70.53 | 19.09 | 70.68  | 18.98 |
|                    | Melbourne | 3883  | 70.82         | 19.56 | 70.61  | 19.79 | 70.85 | 19.53 | 70.82  | 19.56 |
|                    | Brisbane  | 1875  | 71.09         | 19.27 | 70.97  | 19.31 | 71.15 | 19.07 | 71.09  | 19.27 |
|                    | Adelaide  | 1385  | 70.15         | 19.68 | 69.95  | 19.15 | 70.16 | 19.63 | 70.15  | 19.68 |
|                    | Perth     | 1588  | 68.97         | 19.63 | 68.55  | 19.35 | 68.94 | 19.64 | 68.97  | 19.63 |
|                    | Hobart    | 292   | 70.34         | 18.61 | 70.26  | 18.72 | 70.39 | 18.57 | 70.34  | 18.61 |
| Total              | 14112     | 70.21 | 19.63         | 70.07 | 19.62  | 70.24 | 19.55 | 70.21 | 19.63  |       |
| Life as a whole    | Darwin    | 130   | 77.54         | 16.89 | 77.23  | 16.50 | 78.41 | 15.97 | 77.54  | 16.89 |
|                    | Sydney    | 4548  | 77.04         | 17.13 | 76.92  | 17.18 | 77.02 | 17.07 | 77.04  | 17.13 |
|                    | Canberra  | 502   | 76.45         | 16.26 | 76.24  | 16.10 | 76.48 | 16.23 | 76.45  | 16.26 |
|                    | Melbourne | 3966  | 77.61         | 16.95 | 77.46  | 17.00 | 77.52 | 16.88 | 77.61  | 16.95 |
|                    | Brisbane  | 1895  | 77.29         | 17.43 | 77.23  | 17.03 | 77.23 | 17.37 | 77.29  | 17.43 |
|                    | Adelaide  | 1405  | 77.19         | 17.91 | 76.70  | 18.10 | 77.23 | 17.85 | 77.19  | 17.91 |
|                    | Perth     | 1615  | 77.84         | 16.55 | 77.38  | 16.44 | 77.88 | 16.42 | 77.84  | 16.55 |
|                    | Hobart    | 298   | 78.19         | 16.52 | 78.50  | 16.52 | 78.39 | 16.49 | 78.19  | 16.52 |
| Total              | 14359     | 77.34 | 17.09         | 77.15 | 17.06  | 77.32 | 17.01 | 77.34 | 17.09  |       |
| NWB                | Darwin    | 104   | 60.30         | 15.51 | 60.50  | 15.14 | 60.80 | 15.24 | 60.30  | 15.51 |
|                    | Sydney    | 3793  | 60.84         | 15.04 | 60.40  | 15.26 | 60.85 | 15.03 | 60.84  | 15.04 |
|                    | Canberra  | 427   | 58.92         | 14.87 | 58.78  | 14.91 | 58.94 | 14.86 | 58.92  | 14.87 |
|                    | Melbourne | 3288  | 61.94         | 14.45 | 61.77  | 14.52 | 61.88 | 14.46 | 61.94  | 14.45 |
|                    | Brisbane  | 1601  | 62.61         | 14.11 | 62.31  | 14.11 | 62.67 | 14.08 | 62.61  | 14.11 |
|                    | Adelaide  | 1169  | 60.61         | 14.39 | 60.15  | 14.66 | 60.73 | 14.24 | 60.61  | 14.39 |
|                    | Perth     | 1332  | 60.92         | 14.66 | 60.43  | 14.35 | 60.91 | 14.71 | 60.92  | 14.66 |
|                    | Hobart    | 256   | 59.32         | 14.21 | 58.83  | 13.92 | 59.32 | 14.21 | 59.32  | 14.21 |
| Total              | 11970     | 61.26 | 14.65         | 60.90 | 14.73  | 61.27 | 14.64 | 61.26 | 14.65  |       |
| Economic situation | Darwin    | 128   | 63.67         | 20.31 | 64.70  | 19.41 | 64.27 | 19.93 | 63.67  | 20.31 |
|                    | Sydney    | 4452  | 64.83         | 18.78 | 65.07  | 18.58 | 64.93 | 18.79 | 64.83  | 18.78 |
|                    | Canberra  | 497   | 64.29         | 18.20 | 64.36  | 18.22 | 64.40 | 18.21 | 64.29  | 18.20 |
|                    | Melbourne | 3876  | 65.86         | 18.31 | 66.44  | 17.99 | 65.92 | 18.26 | 65.86  | 18.31 |
|                    | Brisbane  | 1852  | 65.60         | 18.72 | 66.61  | 17.94 | 65.83 | 18.56 | 65.60  | 18.72 |
|                    | Adelaide  | 1378  | 63.82         | 18.83 | 64.30  | 18.61 | 64.04 | 18.87 | 63.82  | 18.83 |
|                    | Perth     | 1561  | 64.78         | 18.12 | 65.22  | 17.79 | 64.88 | 18.15 | 64.78  | 18.12 |
|                    | Hobart    | 292   | 64.14         | 18.28 | 63.62  | 18.33 | 64.23 | 18.55 | 64.14  | 18.28 |
| Total              | 14036     | 65.07 | 18.57         | 65.52 | 18.26  | 65.19 | 18.54 | 65.07 | 18.57  |       |
| Environment        | Darwin    | 128   | 59.38         | 17.78 | 59.30  | 18.76 | 59.68 | 17.80 | 59.37  | 17.78 |
|                    | Sydney    | 4489  | 59.59         | 19.36 | 59.12  | 19.63 | 59.58 | 19.39 | 59.59  | 19.36 |
|                    | Canberra  | 497   | 56.66         | 18.80 | 56.34  | 18.82 | 56.73 | 18.69 | 56.66  | 18.80 |
|                    | Melbourne | 3910  | 60.84         | 18.73 | 60.84  | 18.74 | 60.73 | 18.70 | 60.84  | 18.73 |
|                    | Brisbane  | 1872  | 61.31         | 17.42 | 61.14  | 17.29 | 61.31 | 17.48 | 61.31  | 17.42 |
|                    | Adelaide  | 1395  | 57.51         | 19.00 | 56.86  | 19.53 | 57.54 | 19.00 | 57.51  | 19.00 |
|                    | Perth     | 1596  | 59.46         | 18.44 | 59.08  | 18.26 | 59.55 | 18.42 | 59.46  | 18.44 |
|                    | Hobart    | 296   | 59.09         | 19.42 | 59.03  | 19.32 | 59.08 | 19.66 | 59.09  | 19.42 |
| Total              | 14183     | 59.83 | 18.80         | 59.51 | 18.93  | 59.81 | 18.81 | 59.83 | 18.80  |       |
| Social Conditions  | Darwin    | 126   | 60.40         | 17.91 | 60.82  | 18.41 | 60.82 | 17.66 | 60.40  | 17.91 |
|                    | Sydney    | 4492  | 61.17         | 18.79 | 60.93  | 18.78 | 61.28 | 18.77 | 61.17  | 18.79 |
|                    | Canberra  | 494   | 60.24         | 17.70 | 60.18  | 17.88 | 60.23 | 17.77 | 60.24  | 17.70 |
|                    | Melbourne | 3907  | 63.69         | 17.94 | 63.54  | 17.90 | 63.60 | 17.94 | 63.69  | 17.94 |
|                    | Brisbane  | 1870  | 63.81         | 17.33 | 63.68  | 17.26 | 63.84 | 17.30 | 63.81  | 17.33 |
|                    | Adelaide  | 1377  | 62.07         | 18.25 | 61.73  | 18.38 | 62.09 | 18.11 | 62.07  | 18.25 |
|                    | Perth     | 1588  | 62.08         | 18.29 | 61.97  | 18.26 | 62.21 | 18.32 | 62.08  | 18.29 |
|                    | Hobart    | 294   | 60.88         | 17.45 | 60.38  | 17.28 | 61.00 | 17.56 | 60.88  | 17.45 |
| Total              | 14148     | 62.36 | 18.22         | 62.15 | 18.22  | 62.39 | 18.20 | 62.36 | 18.22  |       |
| Government         | Darwin    | 118   | 55.76         | 24.89 | 56.24  | 24.85 | 56.55 | 24.32 | 55.76  | 24.89 |
|                    | Sydney    | 4205  | 54.65         | 24.77 | 54.11  | 25.16 | 54.56 | 24.75 | 54.65  | 24.77 |
|                    | Canberra  | 457   | 50.09         | 25.46 | 49.87  | 25.49 | 50.07 | 25.42 | 50.09  | 25.46 |
|                    | Melbourne | 3643  | 54.90         | 24.53 | 54.44  | 24.45 | 54.71 | 24.54 | 54.90  | 24.53 |
|                    | Brisbane  | 1753  | 56.97         | 23.92 | 56.72  | 23.72 | 56.90 | 23.90 | 56.97  | 23.92 |
|                    | Adelaide  | 1292  | 54.88         | 24.26 | 54.35  | 24.46 | 54.98 | 24.13 | 54.88  | 24.26 |
|                    | Perth     | 1483  | 54.73         | 23.54 | 54.21  | 23.61 | 54.64 | 23.60 | 54.73  | 23.54 |
|                    | Hobart    | 275   | 51.64         | 23.86 | 49.83  | 23.53 | 51.64 | 23.86 | 51.64  | 23.86 |
| Total              | 13226     | 54.85 | 24.44         | 54.34 | 24.54  | 54.76 | 24.42 | 54.85 | 24.44  |       |

| Domain            | City      | N     | No covariates |       | Income |       | Age   |       | Gender |       |
|-------------------|-----------|-------|---------------|-------|--------|-------|-------|-------|--------|-------|
|                   |           |       | Mean          | SD    | Mean   | SD    | Mean  | SD    | Mean   | SD    |
| Business          | Darwin    | 114   | 58.77         | 19.24 | 58.98  | 18.91 | 58.93 | 19.19 | 58.77  | 19.24 |
|                   | Sydney    | 4016  | 60.04         | 19.15 | 59.70  | 19.28 | 60.09 | 19.15 | 60.04  | 19.15 |
|                   | Canberra  | 445   | 57.93         | 18.61 | 57.37  | 18.74 | 58.01 | 18.57 | 57.93  | 18.61 |
|                   | Melbourne | 3508  | 61.37         | 18.11 | 61.03  | 18.26 | 61.34 | 18.09 | 61.37  | 18.11 |
|                   | Brisbane  | 1693  | 61.71         | 17.55 | 61.58  | 17.39 | 61.74 | 17.57 | 61.71  | 17.55 |
|                   | Adelaide  | 1230  | 60.84         | 18.13 | 60.28  | 18.25 | 60.98 | 18.02 | 60.84  | 18.13 |
|                   | Perth     | 1421  | 60.85         | 18.31 | 60.15  | 18.20 | 60.87 | 18.34 | 60.85  | 18.31 |
|                   | Hobart    | 268   | 58.73         | 16.55 | 58.54  | 16.67 | 58.73 | 16.55 | 58.73  | 16.55 |
| Total             |           | 12695 | 60.69         | 18.41 | 60.29  | 18.48 | 60.71 | 18.40 | 60.69  | 18.41 |
| National security | Darwin    | 112   | 64.55         | 20.17 | 64.53  | 20.46 | 65.09 | 19.94 | 64.55  | 20.17 |
|                   | Sydney    | 4097  | 63.45         | 19.48 | 63.30  | 19.73 | 63.51 | 19.42 | 63.45  | 19.48 |
|                   | Canberra  | 456   | 63.40         | 18.41 | 63.20  | 18.64 | 63.41 | 18.49 | 63.40  | 18.41 |
|                   | Melbourne | 3556  | 64.27         | 19.36 | 64.34  | 19.52 | 64.23 | 19.41 | 64.27  | 19.36 |
|                   | Brisbane  | 1709  | 64.28         | 18.47 | 63.94  | 18.38 | 64.39 | 18.34 | 64.28  | 18.47 |
|                   | Adelaide  | 1263  | 62.91         | 19.67 | 62.65  | 19.91 | 63.16 | 19.53 | 62.91  | 19.67 |
|                   | Perth     | 1455  | 61.49         | 19.89 | 61.15  | 19.45 | 61.58 | 19.93 | 61.49  | 19.89 |
|                   | Hobart    | 269   | 61.97         | 19.69 | 61.07  | 19.68 | 61.97 | 19.69 | 61.97  | 19.69 |
| Total             |           | 12917 | 63.49         | 19.37 | 63.30  | 19.47 | 63.55 | 19.34 | 63.49  | 19.37 |
| Life in Australia | Darwin    | 130   | 81.31         | 18.69 | 82.28  | 18.86 | 82.28 | 18.86 | 81.31  | 18.69 |
|                   | Sydney    | 4515  | 80.26         | 18.43 | 80.55  | 18.35 | 80.55 | 18.35 | 80.26  | 18.43 |
|                   | Canberra  | 501   | 80.68         | 18.31 | 81.58  | 18.18 | 81.58 | 18.18 | 80.68  | 18.31 |
|                   | Melbourne | 3947  | 82.58         | 17.20 | 82.88  | 17.18 | 82.88 | 17.18 | 82.58  | 17.20 |
|                   | Brisbane  | 1893  | 82.18         | 17.67 | 82.72  | 17.26 | 82.72 | 17.26 | 82.18  | 17.67 |
|                   | Adelaide  | 1398  | 82.01         | 17.62 | 82.67  | 17.39 | 82.67 | 17.39 | 82.01  | 17.62 |
|                   | Perth     | 1604  | 81.93         | 17.19 | 82.34  | 16.63 | 82.34 | 16.63 | 81.93  | 17.19 |
|                   | Hobart    | 294   | 79.66         | 17.58 | 79.92  | 16.77 | 79.92 | 16.77 | 79.66  | 17.58 |
| Total             |           | 14282 | 81.53         | 17.78 | 81.92  | 17.60 | 81.92 | 17.60 | 81.53  | 17.78 |

Table A20: Correlations Between Personal Domains and Satisfaction With Life as a Whole According to Remoteness

| Personal Domain        | Highly Accessible<br>N=18596 | Accessible<br>N=3015 | Moderately Accessible<br>N=986 | Remote<br>N=226 | Very Remote<br>N=350 |
|------------------------|------------------------------|----------------------|--------------------------------|-----------------|----------------------|
| Standard of living     | .58                          | .55                  | .53                            | .65             | .52                  |
| Health                 | .36                          | .39                  | .25                            | .30             | .28                  |
| Achievements           | .53                          | .49                  | .55                            | .58             | .48                  |
| Personal Relationships | .47                          | .46                  | .51                            | .56             | .42                  |
| Safety                 | .25                          | .24                  | .34                            | .35             | .22                  |
| Community              | .35                          | .35                  | .35                            | .32             | .34                  |
| Future security        | .44                          | .42                  | .36                            | .32             | .39                  |

Table A21: Standard Regression of Personal Domains on Satisfaction with Life as a Whole – Highly Accessible Towns (N=18221)

| Domain                    | B    | $\beta$ | $sr^2$ |
|---------------------------|------|---------|--------|
| 1. Standard of living     | .32* | .32     | .26    |
| 2. Health                 | .09* | .10     | .09    |
| 3. Achievements           | .23* | .23     | .19    |
| 4. Personal Relationships | .18* | .21     | .18    |
| 5. Safety                 | -.01 | -.01    | -.01   |
| 6. Community              | .06* | .06     | .06    |
| 7. Future security        | .08* | .09     | .07    |

\* p<.001  
<sup>a</sup>Unique variability = .15  
Shared variability = .35  
 $R^2 = .50^a$   
Adjusted  $R^2 = .50$





| Domain             | Gender |                 | Highly Accessible      | Accessible             | Moderately Accessible | Remote                | Very Remote           | Total                   |
|--------------------|--------|-----------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| Community          | Male   | Mean<br>SD<br>N | 67.66<br>20.27<br>8634 | 73.53<br>20.31<br>1368 | 73.20<br>21.69<br>460 | 71.65<br>23.57<br>97  | 72.16<br>20.36<br>162 | 68.75<br>20.49<br>10721 |
|                    | Female | Mean<br>SD<br>N | 71.21<br>19.73<br>9909 | 75.16<br>18.00<br>1638 | 77.27<br>18.10<br>524 | 74.33<br>20.45<br>127 | 76.44<br>19.31<br>188 | 72.10<br>19.52<br>12386 |
| Future security    | Male   | Mean<br>SD<br>N | 70.00<br>19.89<br>8553 | 70.88<br>21.29<br>1358 | 70.51<br>23.04<br>450 | 67.08<br>21.95<br>96  | 68.39<br>22.16<br>161 | 70.08<br>20.28<br>10618 |
|                    | Female | Mean<br>SD<br>N | 70.72<br>19.55<br>9792 | 71.08<br>19.92<br>1615 | 72.67<br>19.33<br>520 | 71.59<br>20.45<br>126 | 70.86<br>22.27<br>187 | 70.86<br>15.24<br>12240 |
| Life as a whole    | Male   | Mean<br>SD<br>N | 76.44<br>17.34<br>8676 | 77.55<br>17.47<br>1374 | 78.91<br>18.30<br>460 | 73.57<br>21.21<br>98  | 75.43<br>19.02<br>162 | 76.64<br>17.47<br>10770 |
|                    | Female | Mean<br>SD<br>N | 78.44<br>17.16<br>9982 | 79.00<br>17.27<br>1644 | 79.83<br>16.79<br>526 | 77.50<br>18.40<br>128 | 78.67<br>18.23<br>188 | 78.57<br>17.19<br>12468 |
| NWB                | Male   | Mean<br>SD<br>N | 61.21<br>15.05<br>7504 | 60.38<br>15.32<br>1177 | 60.33<br>16.88<br>378 | 60.43<br>16.73<br>81  | 59.11<br>16.23<br>138 | 61.03<br>15.20<br>9278  |
|                    | Female | Mean<br>SD<br>N | 60.86<br>14.44<br>8054 | 60.34<br>14.20<br>1343 | 60.73<br>13.69<br>417 | 58.28<br>15.47<br>103 | 60.56<br>15.84<br>158 | 60.76<br>14.41<br>10075 |
| Economic situation | Male   | Mean<br>SD<br>N | 65.30<br>19.44<br>8541 | 63.54<br>20.06<br>1343 | 61.93<br>22.37<br>446 | 65.27<br>20.88<br>93  | 60.89<br>23.27<br>157 | 64.87<br>19.75<br>10580 |
|                    | Female | Mean<br>SD<br>N | 64.23<br>18.29<br>9696 | 62.08<br>18.89<br>1589 | 61.58<br>18.49<br>506 | 59.83<br>18.33<br>120 | 62.36<br>18.64<br>182 | 63.76<br>18.40<br>12093 |
| Environment        | Male   | Mean<br>SD<br>N | 59.46<br>19.42<br>8596 | 58.85<br>20.09<br>1362 | 59.47<br>21.26<br>453 | 59.26<br>21.00<br>95  | 60.43<br>21.13<br>161 | 59.40<br>19.63<br>10667 |
|                    | Female | Mean<br>SD<br>N | 59.83<br>18.31<br>9851 | 60.03<br>18.56<br>1625 | 60.17<br>18.87<br>520 | 58.28<br>19.10<br>122 | 60.74<br>18.60<br>188 | 59.87<br>18.38<br>12306 |
| Social conditions  | Male   | Mean<br>SD<br>N | 62.28<br>18.39<br>8587 | 61.36<br>18.80<br>1350 | 61.71<br>20.78<br>451 | 61.67<br>21.46<br>96  | 59.05<br>22.02<br>158 | 62.09<br>18.64<br>10642 |
|                    | Female | Mean<br>SD<br>N | 62.17<br>18.18<br>9793 | 61.69<br>18.06<br>1606 | 61.38<br>17.69<br>514 | 59.92<br>19.02<br>124 | 60.05<br>19.49<br>184 | 62.02<br>18.18<br>12221 |
| Government         | Male   | Mean<br>SD<br>N | 54.03<br>24.87<br>8071 | 53.98<br>25.74<br>1287 | 54.22<br>26.26<br>422 | 53.15<br>26.14<br>92  | 50.97<br>25.96<br>155 | 53.97<br>25.07<br>10027 |
|                    | Female | Mean<br>SD<br>N | 55.35<br>24.31<br>9091 | 55.30<br>23.88<br>1514 | 55.60<br>22.60<br>468 | 56.07<br>25.12<br>117 | 53.43<br>25.92<br>175 | 55.33<br>24.22<br>11365 |
| Business           | Male   | Mean<br>SD<br>N | 60.97<br>18.89<br>7862 | 59.66<br>19.45<br>1250 | 60.65<br>20.34<br>413 | 62.81<br>23.98<br>89  | 57.20<br>21.08<br>150 | 60.75<br>19.12<br>9764  |
|                    | Female | Mean<br>SD<br>N | 60.18<br>17.99<br>8612 | 60.26<br>17.20<br>1447 | 61.34<br>17.08<br>455 | 58.83<br>18.38<br>111 | 60.30<br>18.60<br>166 | 60.23<br>17.86<br>10791 |
| National security  | Male   | Mean<br>SD<br>N | 63.65<br>20.25<br>7949 | 62.36<br>20.75<br>1255 | 62.89<br>22.61<br>415 | 60.35<br>22.86<br>85  | 60.20<br>21.84<br>150 | 63.37<br>20.48<br>9854  |
|                    | Female | Mean<br>SD<br>N | 62.73<br>18.90<br>8814 | 62.65<br>18.90<br>1479 | 61.40<br>18.73<br>457 | 59.29<br>21.16<br>113 | 65.09<br>19.61<br>173 | 62.67<br>18.94<br>11036 |

| Domain            | Gender |      | Highly Accessible | Accessible | Moderately Accessible | Remote | Very Remote | Total |
|-------------------|--------|------|-------------------|------------|-----------------------|--------|-------------|-------|
| Life in Australia | Male   | Mean | 80.82             | 81.38      | 81.34                 | 82.68  | 79.75       | 80.91 |
|                   |        | SD   | 18.04             | 19.04      | 20.55                 | 16.99  | 23.08       | 18.36 |
|                   |        | N    | 8630              | 1371       | 461                   | 97     | 162         | 10721 |
|                   | Female | Mean | 82.35             | 82.65      | 80.63                 | 80.16  | 83.56       | 82.31 |
|                   |        | SD   | 17.77             | 17.94      | 18.61                 | 19.84  | 18.05       | 17.86 |
|                   |        | N    | 9930              | 1638       | 522                   | 128    | 188         | 12406 |

Significant gender differences at  $p < .001$  in PWB and all personal domains except health and safety (significant domains are bolded)

Business is the only national domain to produce gender differences  $p = .011$   
 No significant gender x remoteness interactions

Table A27: Wellbeing Means and Standard Deviations According to State Regional Areas (No Covariates)

| Domain  | City  | N    | No covariates |       | Income, Age & Gender |       | Income Only |       |
|---|-------|------|---------------|-------|----------------------|-------|-------------|-------|
|   |       |      | Mean          | SD    | Mean                 | SD    | Mean        | SD    |
| <b>PWB</b><br><br><b>p = .009</b>             | NT    | 69   | 76.77         | 11.26 | 76.92                | 11.42 | 76.60       | 11.29 |
|   | NSW   | 3134 | 75.39         | 12.52 | 75.22                | 12.40 | 75.19       | 12.44 |
|   | VIC   | 1008 | 76.64         | 12.11 | 76.85                | 11.74 | 76.82       | 11.75 |
|   | QLD   | 2340 | 75.99         | 12.22 | 76.08                | 12.09 | 76.05       | 12.10 |
|   | SA    | 534  | 77.28         | 11.84 | 77.38                | 11.39 | 77.34       | 11.45 |
|   | WA    | 548  | 75.52         | 12.64 | 75.32                | 12.71 | 75.29       | 12.73 |
|   | TAS   | 344  | 75.47         | 12.26 | 75.25                | 12.48 | 75.20       | 12.65 |
|   | Total | 7977 | 75.88         | 12.33 | 75.85                | 12.19 | 75.81       | 12.23 |
| Standard of living<br><br><b>p = .585</b>     | NT    | 72   | 79.17         | 19.34 |                      |       |             |       |
|   | NSW   | 3207 | 77.10         | 17.93 |                      |       |             |       |
|   | VIC   | 1037 | 77.36         | 17.77 |                      |       |             |       |
|   | QLD   | 2420 | 76.98         | 18.07 |                      |       |             |       |
|   | SA    | 547  | 78.41         | 17.16 |                      |       |             |       |
|   | WA    | 563  | 77.92         | 18.48 |                      |       |             |       |
|   | TAS   | 356  | 77.30         | 17.36 |                      |       |             |       |
|   | Total | 8202 | 77.27         | 17.93 |                      |       |             |       |
| Health<br><br><b>p = .258</b>                 | NT    | 72   | 75.28         | 20.69 |                      |       |             |       |
|   | NSW   | 3202 | 74.58         | 20.57 |                      |       |             |       |
|   | VIC   | 1038 | 75.37         | 20.64 |                      |       |             |       |
|   | QLD   | 2420 | 75.74         | 20.60 |                      |       |             |       |
|   | SA    | 548  | 74.84         | 19.26 |                      |       |             |       |
|   | WA    | 562  | 74.61         | 19.65 |                      |       |             |       |
|   | TAS   | 356  | 73.23         | 21.68 |                      |       |             |       |
|   | Total | 8198 | 74.99         | 20.50 |                      |       |             |       |
| Achievements<br><br><b>p = .352</b>           | NT    | 72   | 74.72         | 15.56 |                      |       |             |       |
|   | NSW   | 3197 | 74.41         | 18.30 |                      |       |             |       |
|   | VIC   | 1037 | 75.58         | 17.60 |                      |       |             |       |
|   | QLD   | 2410 | 74.76         | 18.33 |                      |       |             |       |
|   | SA    | 546  | 76.17         | 17.17 |                      |       |             |       |
|   | WA    | 561  | 74.47         | 19.37 |                      |       |             |       |
|   | TAS   | 355  | 74.96         | 18.65 |                      |       |             |       |
|   | Total | 8178 | 74.81         | 18.22 |                      |       |             |       |
| Personal relationships<br><br><b>p = .258</b> | NT    | 71   | 79.15         | 17.95 |                      |       |             |       |
|   | NSW   | 3204 | 79.91         | 21.25 |                      |       |             |       |
|   | VIC   | 1035 | 81.93         | 19.95 |                      |       |             |       |
|   | QLD   | 2416 | 81.15         | 20.49 |                      |       |             |       |
|   | SA    | 543  | 81.53         | 20.35 |                      |       |             |       |
|   | WA    | 562  | 80.62         | 21.33 |                      |       |             |       |
|   | TAS   | 355  | 81.10         | 20.73 |                      |       |             |       |
|   | Total | 8186 | 80.73         | 20.77 |                      |       |             |       |

| Domain                                  | City  | N    | No covariates |       | Income, Age & Gender |    | Income Only |    |
|---|-------|------|---------------|-------|----------------------|----|-------------|----|
|   |       |      | Mean          | SD    | Mean                 | SD | Mean        | SD |
| <b>Safety</b><br><br>p=.000             | NT    | 71   | 80.70         | 19.00 |                      |    |             |    |
|   | NSW   | 3199 | 77.94         | 19.61 |                      |    |             |    |
|   | VIC   | 1036 | 80.79         | 16.66 |                      |    |             |    |
|   | QLD   | 2406 | 79.89         | 17.94 |                      |    |             |    |
|   | SA    | 548  | 80.99         | 17.45 |                      |    |             |    |
|   | WA    | 562  | 77.35         | 20.19 |                      |    |             |    |
|   | TAS   | 356  | 78.34         | 18.68 |                      |    |             |    |
|   | Total | 8178 | 79.08         | 18.66 |                      |    |             |    |
| <b>Community</b><br><br>p=.028          | NT    | 72   | 74.17         | 18.13 |                      |    |             |    |
|   | NSW   | 3190 | 73.05         | 19.73 |                      |    |             |    |
|   | VIC   | 1035 | 73.33         | 19.85 |                      |    |             |    |
|   | QLD   | 2407 | 72.40         | 20.23 |                      |    |             |    |
|   | SA    | 542  | 75.66         | 18.88 |                      |    |             |    |
|   | WA    | 563  | 74.17         | 19.13 |                      |    |             |    |
|   | TAS   | 355  | 72.85         | 19.44 |                      |    |             |    |
|   | Total | 8164 | 73.15         | 19.78 |                      |    |             |    |
| Future security<br><br>p=.404           | NT    | 71   | 73.10         | 17.20 |                      |    |             |    |
|   | NSW   | 3167 | 70.65         | 20.42 |                      |    |             |    |
|   | VIC   | 1016 | 71.44         | 20.33 |                      |    |             |    |
|   | QLD   | 2376 | 70.72         | 20.71 |                      |    |             |    |
|   | SA    | 544  | 72.56         | 18.87 |                      |    |             |    |
|   | WA    | 553  | 70.34         | 21.45 |                      |    |             |    |
|   | TAS   | 346  | 70.69         | 20.62 |                      |    |             |    |
|   | Total | 8073 | 70.90         | 20.45 |                      |    |             |    |
| Life as a whole<br><br>p=.152           | NT    | 72   | 81.25         | 15.83 |                      |    |             |    |
|   | NSW   | 3206 | 77.77         | 17.88 |                      |    |             |    |
|   | VIC   | 1035 | 79.03         | 17.15 |                      |    |             |    |
|   | QLD   | 2419 | 78.02         | 18.25 |                      |    |             |    |
|   | SA    | 547  | 78.90         | 16.90 |                      |    |             |    |
|   | WA    | 562  | 78.86         | 17.24 |                      |    |             |    |
|   | TAS   | 355  | 78.93         | 16.94 |                      |    |             |    |
|   | Total | 8196 | 78.24         | 17.74 |                      |    |             |    |
| <b>NWB</b><br><br>p=.000                | NT    | 59   | 59.86         | 14.93 |                      |    |             |    |
|   | NSW   | 2684 | 59.85         | 14.96 |                      |    |             |    |
|   | VIC   | 874  | 61.07         | 14.66 |                      |    |             |    |
|   | QLD   | 2002 | 60.78         | 15.12 |                      |    |             |    |
|   | SA    | 449  | 60.94         | 14.32 |                      |    |             |    |
|   | WA    | 474  | 57.30         | 15.29 |                      |    |             |    |
|   | TAS   | 287  | 60.43         | 15.42 |                      |    |             |    |
|   | Total | 6829 | 60.19         | 14.99 |                      |    |             |    |
| <b>Economic situation</b><br><br>p=.011 | NT    | 70   | 62.71         | 19.63 |                      |    |             |    |
|   | NSW   | 3125 | 62.82         | 19.91 |                      |    |             |    |
|   | VIC   | 1017 | 64.12         | 19.23 |                      |    |             |    |
|   | QLD   | 2338 | 62.62         | 20.22 |                      |    |             |    |
|   | SA    | 535  | 64.54         | 17.43 |                      |    |             |    |
|   | WA    | 544  | 60.46         | 21.02 |                      |    |             |    |
|   | TAS   | 341  | 62.70         | 19.26 |                      |    |             |    |
|   | Total | 7970 | 62.87         | 19.82 |                      |    |             |    |
| <b>Environment</b><br><br>p=.003        | NT    | 72   | 55.56         | 20.41 |                      |    |             |    |
|   | NSW   | 3178 | 59.11         | 19.19 |                      |    |             |    |
|   | VIC   | 1031 | 60.21         | 18.19 |                      |    |             |    |
|   | QLD   | 2391 | 60.17         | 19.45 |                      |    |             |    |
|   | SA    | 541  | 57.93         | 19.35 |                      |    |             |    |
|   | WA    | 555  | 57.24         | 19.16 |                      |    |             |    |
|   | TAS   | 350  | 60.03         | 20.77 |                      |    |             |    |
|   | Total | 8118 | 59.36         | 19.25 |                      |    |             |    |

| Domain                                 | City  | N    | No covariates |       | Income, Age & Gender |    | Income Only |    |
|--|-------|------|---------------|-------|----------------------|----|-------------|----|
|  |       |      | Mean          | SD    | Mean                 | SD | Mean        | SD |
| <b>Social Conditions</b><br><br>p=.000 | NT    | 70   | 55.00         | 23.27 |                      |    |             |    |
|  | NSW   | 3148 | 60.89         | 18.52 |                      |    |             |    |
|  | VIC   | 1025 | 63.29         | 17.98 |                      |    |             |    |
|  | QLD   | 2361 | 62.43         | 18.58 |                      |    |             |    |
|  | SA    | 538  | 61.78         | 18.86 |                      |    |             |    |
|  | WA    | 555  | 59.59         | 18.63 |                      |    |             |    |
|  | TAS   | 348  | 60.14         | 19.80 |                      |    |             |    |
|  | Total | 8045 | 61.53         | 18.64 |                      |    |             |    |
| <b>Government</b><br><br>p=.017        | NT    | 69   | 52.46         | 28.67 |                      |    |             |    |
|  | NSW   | 2954 | 54.09         | 25.47 |                      |    |             |    |
|  | VIC   | 958  | 55.20         | 23.98 |                      |    |             |    |
|  | QLD   | 2220 | 54.84         | 24.85 |                      |    |             |    |
|  | SA    | 501  | 55.81         | 23.55 |                      |    |             |    |
|  | WA    | 518  | 50.81         | 24.90 |                      |    |             |    |
|  | TAS   | 325  | 53.20         | 25.87 |                      |    |             |    |
|  | Total | 7545 | 54.29         | 25.00 |                      |    |             |    |
| <b>Business</b><br><br>p=.002          | NT    | 63   | 59.21         | 17.26 |                      |    |             |    |
|  | NSW   | 2835 | 59.43         | 18.77 |                      |    |             |    |
|  | VIC   | 923  | 61.41         | 17.73 |                      |    |             |    |
|  | QLD   | 2140 | 60.55         | 18.65 |                      |    |             |    |
|  | SA    | 479  | 61.61         | 16.78 |                      |    |             |    |
|  | WA    | 503  | 57.97         | 19.41 |                      |    |             |    |
|  | TAS   | 321  | 59.13         | 19.12 |                      |    |             |    |
|  | Total | 7264 | 60.04         | 18.55 |                      |    |             |    |
| <b>National security</b><br><br>p=.000 | NT    | 68   | 65.00         | 18.41 |                      |    |             |    |
|  | NSW   | 2896 | 61.83         | 20.53 |                      |    |             |    |
|  | VIC   | 935  | 62.36         | 19.51 |                      |    |             |    |
|  | QLD   | 2172 | 62.91         | 19.90 |                      |    |             |    |
|  | SA    | 486  | 63.83         | 19.32 |                      |    |             |    |
|  | WA    | 505  | 58.63         | 21.14 |                      |    |             |    |
|  | TAS   | 311  | 61.51         | 19.61 |                      |    |             |    |
|  | Total | 7373 | 62.15         | 20.15 |                      |    |             |    |
| <b>Life in Australia</b><br><br>p=.008 | NT    | 72   | 80.14         | 18.65 |                      |    |             |    |
|  | NSW   | 3189 | 81.17         | 19.22 |                      |    |             |    |
|  | VIC   | 1037 | 82.62         | 17.49 |                      |    |             |    |
|  | QLD   | 2408 | 82.63         | 18.21 |                      |    |             |    |
|  | SA    | 546  | 83.22         | 16.66 |                      |    |             |    |
|  | WA    | 562  | 81.39         | 19.85 |                      |    |             |    |
|  | TAS   | 353  | 80.06         | 18.81 |                      |    |             |    |
|  | Total | 8167 | 81.88         | 18.59 |                      |    |             |    |