

The Australian Housing Conditions Dataset

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1 INTRODUCTION

Housing is a fundamental basis from which individuals can participate both economically and socially in our country. The quality, location, suitability, security and affordability of our housing affect us all. Housing is, for most Australians, their largest lifetime investment and ongoing expenditure. Housing affordability affects the quality of housing we can secure, the money left over for savings, education, health and leisure, and can be a direct source of diagnosable anxiety when it comprises a large amount of household income.

The lack of housing, homelessness, has severe impacts on physical and mental health, and wellbeing, as well as more broadly on the ability of individuals to enter employment or maintain social or familial interactions. Furthermore, we know that poor quality housing can impact on occupants' respiratory health (e.g. Free et al. 2010; Bonnefoy 2003), mental and physical health (e.g. Howden-Chapman & Wilson 2000), cardiovascular disease (e.g. Clinch & Healy 2000), educational outcomes (Mueller & Tighe 2007), children's health (e.g. Gifford & Lacombe 2006; Evans et al. 2001) and economic participation (e.g. Dockery et al. 2008).

In order to adequately explore these issues within the Australian context, it is vital that both researchers and policy makers have quality data on contemporary housing conditions. The last national survey on housing conditions, the Australia Housing Survey, was completed in 1999 by the Australian Bureau of Statistics (ABS). Since this time, the Australian housing market has undergone significant structural and economic change, and we are seeing increasing affordability stress, undersupply of affordable housing, appropriateness, access and quality of housing, amongst other issues (e.g. see Baker et al, 2016).

Responding to call from the research and policy community for a timely, systematic and accessible data resource on Australia's housing conditions, the Australian Research Council (ARC) funded the Australian Housing Conditions Data infrastructure (AHCD) project in 2015. The project has systematically gathered a robust data infrastructure on the housing conditions of Australians. In order to provide a dataset of sufficient depth, it was focussed on three States (New South Wales, Victoria, and South Australia). This Project is designed as a baseline dataset, made available to researchers and policy stakeholders to use and build upon. The dataset sits with a package of standardised research protocols and survey tools enabling researchers to replicate the survey with target populations while still retaining the ability for comparison with baseline Australian housing condition characteristics.

Access, intended uses and procedures FAQ

How might this data infrastructure be used?

The AHCD is a baseline dataset to which additional samples may be added or compared. Analyses of the data can help researchers address questions of housing adequacy, amenity and accessibility, and formulate policy relevant evidence on Australian housing conditions.

Who will find the AHCD useful?

Researchers from various fields including housing, public health, architecture, planning, construction and geography will find the AHCD useful. The survey collects information across a broad range of housing dimensions including tenure, morphology, construction, maintenance and renovation, amenity, satisfaction, and household demographic characteristics.

How to access the AHCD?

The AHCD can be accessed upon application from the Australian Data Archive (ADA): https://www.ada.edu.au/ada/home. The dataset is free to access and use.

Adding to the dataset?

Adding to the dataset is strongly encouraged. The AHCD is published together with a set of materials enabling replication of the research design, including the main survey and follow-up quality assurance interviews. If you would like to add to the survey – please get in-touch with the research team via the contact details listed on: http://architecture.adelaide.edu.au/AHCD/.

2 SURVEY DEVELOPMENT AND DATA COLLECTION

Ethics Approval for the data collection was granted by The University of Adelaide (UoA) Human Research Ethics Committee (HREC) in June 2016 (approval number H-2016-145), and subordinate ethics approval was also granted the five partner institutions.

2.1 Development of the survey tool

Where possible, the survey was developed to align with previous similar surveys, current comparable surveys, as well as national housing research priorities.

Content

The initial development of the survey tool was based around five central research streams: 1) health and wellbeing; 2) ageing, disability and affordability; 3) productivity and tenure; 4) construction and renovation; and 5) energy efficiency. The draft survey tool was based on precedents such as the ABS Social Standards, ABS Census 2016, ABS Survey of Income and Housing, ABS Australian Housing Survey, HILDA survey, English Housing Survey, Scottish Housing Survey and the BRANZ Housing Condition survey. The items taken from these surveys were kept in their original format as much as possible, except for where modification was needed to increase the understanding or relevance of the question. Several unprecedented questions were included where they represented the collection of important information. The final survey can be divided across seven main topics:

- Dwelling tenure & accommodation;
- 2) Construction & maintenance;
- 3) Energy, indoor environment & safety;
- 4) Quality & satisfaction;

- 5) Health status;
- 6) Demographics; and
- 7) Contact information.

The final survey, including the source and origin of the items can be found in Appendix 1.

The survey was conducted by telephone taking between 12-15 minutes to complete, depending on the number of questions relevant to the participant. It is important to note that the content and format of the tool was largely influenced by the data collection methodology (i.e. telephone survey), many of the precedent surveys mentioned above benefit from in-person interviews and building inspections which were outside the scope of this particular data collection exercise.

2.2 Baseline data collection

Population Research and Outcomes Studies (PROS) in the School of Medicine, Faculty of Health Sciences at the UoA were engaged to provide computer-aided telephone interview (CATI) services following a competitive tender process. Data collection began on the 1st August 2016, in order to be begin in parallel with collection of the ABS Census 2016 data on the 9th August, and was completed on the 7th October 2016. A quality assurance exercise was conducted from mid-2017 to early-2018 and is detailed in Appendix 2.

Sample selection

A total of 4,501 interviews were completed across three States: South Australia, Victoria and New South Wales. The sample was stratified by State (approximately 1,500 per State) and the households randomly selected within each State. Dual-frame sampling (i.e. landline and mobile phones) was used in an attempt to capture responses from an increasing proportion of mobile phone only households. The landline numbers were sourced from the Electronic White Pages (EWP) (2011 version with partial updates in 2015), while the mobile numbers were randomly generated.

For the landline sample, the person in the house with the most recent birthday over the age of 18 years old was selected to complete the interview. For the mobile sample, the person answering the call, if over the age of 18 years old, was interviewed. Selected respondents were non-replaceable, therefore if the appropriate person was not available, the interviews were not conducted with other household members.

No information was sent to the households prior to calling, predominantly due to the cost and time-frame implications of mass postal recruitment. Instead, respondents had the opportunity to receive written information about the survey and reschedule the interview (see Appendix 3 for the flyer). This information was also provided on a UoA webpage (http://architecture.adelaide.edu.au/AHCD/). This enabled respondents to give their informed consent to participate in the survey. A text message was sent to the mobile phone numbers prior to calling as PROS had previously found this effective in increasing response rates in mobile phone samples.

Interview preamble and follow-up

A preamble to the survey (covering the information provided in the flyer) was given at the start of the interview to ensure that the respondents were sufficiently advised of the aims and objectives of the project before participating. Included within the preamble was a brief description of the project, information on ethics approval, funding sources, collaborating institutions, use of the data, and full explanation the voluntary nature of the survey. Both at the beginning and end of the interview, respondents were given the contact details of one of the members of the research team and of the relevant ethics contact.

Pilot testing

The survey tool was piloted on the 25th July 2016 with 53 households across the three States. Four issues arose from the pilot run:

- a) A more detailed explanation of the project was required in the survey preamble;
- b) The wording of Item Z.6 caused confusion with participants;
- c) Participants were very reluctant to provide their surname; and
- d) Some participants were frustrated by Items A.41 & A.43 as they were perceived to be asking for the same information.

Addressing these issues, a more detailed explanation of the project was included in the preamble, Item Z.6 was reworded, the Item requesting respondents' surname was removed, and a screening question (Item A.42) was added to ease the collection of responses to Items A.41 & A.43.

Call routine, follow-up and refusal aversion

Interviews were conducted in English. No provision was made to conduct the interviews with respondents not proficient in English due to the baseline nature of the survey. The interviewing was conducted with a rotation of shifts across all times of the day and evening with coverage over seven days of the week (generally between 9:30am and 8:30pm on weekdays, and between 11am and 5:00pm on weekends). The call routine included up to eight call backs to busy or unanswered numbers, regardless of whether or not the target sample sized had been reached.

Interviewer monitoring

Quality data collection was ensured through several measures: the data from the first day of interviewing was checked, the data was checked weekly for disposition, a supervisor was always in attendance with a maximum supervisor/interviewer ratio of 1:20, and 10% of each interviewer's work was audited.

2.3 Post-data collection procedures

In total, 4,501 interviews were completed from 1st August to 7th October 2016. Basic frequencies are reported in Appendix 4.

Response rates

Table 1. Response rates (Source: Methodological Report produced by PROS)

| Interview (Category 1) | |
|--|--------|
| Complete | 4554 |
| Eligible non-interview (Category 2) | |
| Refusal and breakoff (terminated) | 0 |
| Refusal | 1022 |
| Non-contact | |
| Respondent never available | 35 |
| Answering machine household-message left | |
| Other, non-refusals | |
| Physically or mentally unable/incompetent | 312 |
| Language problem | 410 |
| Unknown eligibility, non-interview (Category 3) | |
| Always busy | |
| No answer | 3626 |
| Not eligible (Category 4) | |
| Fax/data line | 166 |
| Disconnected number | 7858 |
| Special technological circumstances | |
| Pager | |
| Non-residential number | 711 |
| No eligible respondent | 105 |
| Total phone numbers used | 18839 |
| I=Complete Interviews (1.1) | 4554 |
| P=Partial Interviews (1.2) | 0 |
| R=Refusal and break off (2.1) | 1022 |
| NC=Non Contact (2.2) | 35 |
| O=Other (2.0, 2.3) | 722 |
| Calculating e: | 0.416 |
| UH=Unknown Household (3.1) | 3626 |
| UO=Unknown other (3.2-3.9) | 0 |
| Response Rate 1 [& 2] I/(I+P) + (R+NC+O) + (UH+UO) | 45.7% |
| Response Rate 3 [& 4] I/((I+P) + (R+NC+O) + e(UH+UO)) | 58.1% |
| Cooperation Rate 1 [& 2] I/(I+P)+R+O) | 72.3% |
| Cooperation Rate 3 [& 4] I/((I+P)+R)) | 81.7% |
| Refusal Rate 1 R/((I+P)+(R+NC+O) + UH + UO)) | 10.3% |
| Refusal Rate 2 R/((I+P)+(R+NC+O) + e(UH + UO)) | 13.0% |
| Refusal Rate 3 R/((I+P)+(R+NC+O)) | 16.1% |
| Contact Rate 1 (I+P)+R+O / (I+P)+R+O+NC+ (UH + UO) | 63.2% |
| Contact Rate 2 (I+P)+R+O / (I+P)+R+O+NC + e(UH+UO) | 80.3% |
| Contact Rate 3 (I+P)+R+O / (I+P)+R+O+NC | 100.0% |

Confidentialisation

All identifying details have been removed from the sharable version of the final dataset. The data are re-identifiable using a participant identification code; however identifying personal information is only accessible to the research team.

Weights

The AHCD includes a weighting variable to account for biases inherent in the data collection process. In most surveys nationally and internationally, regardless of methodology or sample, older people, women and people living in country areas are more likely to participate. Interestingly the trend is to get a higher participation from landline telephones compared to mobile telephones. While a mobile sample was included in an attempt to get younger people and men, they are also difficult to get to participate once reached, hence, the higher proportion of women and older people. The weighting procedure known as 'raking' was used to weight the respondents by probability of selection within the household and by age group, sex and area (metropolitan/country) for each state using the June 2015 ABS Estimated Residential Population so that the estimates are reflective of the structure of the state (Dal Grande et al. 2015). As each state involved a discrete sample, these were weighted separately to enable state level analyses. The variable is called, wt_ASA. No weights were created to account for the different population sizes between the states.

<u>Format</u>

The final dataset is provided in *.xlsx Excel file format with a data key on sheet two.

3 DATA STORAGE AND SHARING

The AHCD will be made available to researchers through the Australian Data Archive (ADA) Data Catalogue free of charge in late 2018 (https://www.ada.edu.au/ada/data-access). Users will be required to register with ADA to conduct online analyses or download the data. The ADA National Manager is responsible to preserve individual confidentiality and will act at all times to ensure full anonymity of survey respondents. Users are also expected to attain the appropriate level of ethical approval through their institution prior to use.

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APPENDIX 1: HOUSING CONDITIONS SURVEY

| Item code | Item | Notes & precedent |
|--------------|--|---|
| Dwelling te | nure & accommodation | |
| A.1 | Tenure | Census of Population and Housing, 2016. |
| A.2 | Landlord type | Filtered for rental tenure. |
| | | ABS Housing Variables, 2014 (1200.0.55.011). |
| A.3 | How the dwelling was purchased | Filtered for ownership tenure. |
| | | This item arose from discussions around proportion |
| | | of architect designed houses with the hypothesis that |
| | | architect involvement results in higher quality |
| | | housing conditions. The question was broadened for |
| | | greater relevance to other forms of dwelling |
| | | procurement. |
| A 4 | Variable at the support describes | No precedent available. |
| A.4 | Years lived in current dwelling | ABS Housing Mobility and Conditions, 2007-2008 (4130.0.055.002). |
| A.5 | Times moved in past 5 years | Question aimed at determining housing mobility. |
| A.3 | Times moved in past 3 years | Survey of Income and Housing, 2013-2014 (6553.0). |
| A.6 | Dwelling type | ABS Housing Variables, 2014 (1200.0.55.011). |
| A.7 | Number of storeys | Question used to distinguish between low and high |
| , | Training or ottor eye | rise apartments buildings, and single and double |
| | | storey separate houses. |
| | | No precedent available. |
| A.8 | Level of flat or apartment | Filter for "Flat or apartment". |
| | | No precedent available. |
| A.9 | Dwelling age | ABS Australian Housing Survey, 1999 (4182.0). |
| A.10 | Number of bedrooms | Question used to determine overcrowding. Census of |
| | | Population and Housing, 2016. |
| A.11 | Number of car parking spaces | ABS Australian Housing Survey, 1999 (4182.0). |
| A.12 | Presence/adequacy of outdoor | No precedent available. |
| Construction | n & maintenance | |
| A.13 | Main material of roof | ABS Australian Housing Survey, 1999 (4182.0). |
| A.14 | Main material of outside walls | ABS Australian Housing Survey, 1999 (4182.0). |
| A.15 | Major building problems | ABS Survey of Income and Housing, 2013-2014 |
| 7.13 | iviajor building problems | (6553.0). |
| A.16 | Need for repairs | ABS Survey of Income and Housing, 2013-2014 |
| | | (6553.0). |
| A.17 | Repairs or maintenance completed | ABS Survey of Income and Housing, 2013-2014 |
| | in last 12 months | (6553.0). |
| A.18 | Value of repairs or maintenance | Question used to distinguish between large scale |
| | | renovations and ongoing maintenance or repairs. |
| | | No precedent available. |
| | oor environment & safety | |
| A.19 | Dwelling modifications | Filtered for ownership tenure. |
| | | Variables added to cover mobility & access |
| | | modification, kitchen & bathroom renovations, and |
| | | extensions. ARS Household Energy Consumption, 2012 (4671.0) |
| ۸ ۵0 | Ability to keep warm in winter | ABS Household Energy Consumption, 2012 (4671.0). |
| A.20 A.21 | Ability to keep warm in winter Ability to keep cool in summer | English Housing Survey 2013-2014. English Housing Survey 2013-2014. |
| A.21 A.22 | Adequacy of natural light indoors | Adapted from CBE Occupant Indoor Environmental |
| 7.44 | Adequacy of flatural light findoofs | Quality (IEQ) Survey. |
| | | Quanty (ILQ) Julycy. |

| A.23 | Frequency of bothersome noise | Scottish Housing Survey 2013. |
|------------------|---------------------------------------|---|
| A.24 | Presence of electrical safety switch | Determine minimum electrical safety requirements. |
| A.24 | or circuit breaker | No precedent available. |
| A.25 | Presence of functioning smoke | Housing Mobility and Conditions, 2007-2008 |
| A.25 | detector | (4130.0.055.002). |
| A.26 | Main sources of energy or fuel | Housing Mobility and Conditions, 2007-2008 |
| | | (4130.0.055.002). |
| A.27 | Maintenance of gas heating | No precedent available. |
| | appliances in last 2 years | |
| A.28 | Physical security of dwelling | One of aspects of adequate housing is safety. No precedent available. |
| A.29 | Feeling of safety during the day | Housing Mobility and Conditions, 2007-2008 |
| A.23 | reening of safety during the day | (4130.0.055.002). |
| A.30 | Feeling of safety at night | Housing Mobility and Conditions, 2007-2008 |
| | | (4130.0.055.002). |
| Quality & satisf | action | |
| A.31 | Self-assessed quality of dwelling | BRANZ House Condition Survey, 2005. |
| A.32 | Physical injury as a result of | No precedent available. |
| | dwelling condition | |
| A.33 | Aspects of dwelling dissatisfaction | In previous ABS surveys A.33 follows A.34 and is only |
| | | asked if participants report low satisfaction with their |
| | | dwelling which has previously been a very low |
| | | proportion. To get more information from this |
| | | questions the order has been switched and the |
| | | question is asked of all respondents. |
| | | ABS Survey of Income and Housing, 2013-2014 |
| A.34 | Satisfaction with dwelling | (6553.0). ABS Survey of Income and Housing, 2013-2014 |
| A.54 | Satisfaction with dwelling | (6553.0). |
| A.35 | Satisfaction with the location of the | ABS Survey of Income and Housing, 2013-2014 |
| | dwelling | (6553.0). |
| A.36 | Housing condition to enable social | Housing as social capital. |
| | interaction | No precedent available. |
| A.37 | Intention to move in the next 5 | Housing Mobility and Conditions, 2007-2008 |
| | years | (4130.0.055.002). |
| A.38 | Reasons for wanting to move | Housing Mobility and Conditions, 2007-2008 |
| | | (4130.0.055.002). |
| A.39 | Barriers to moving | Housing Mobility and Conditions, 2007-2008 |
| | | (4130.0.055.002). |
| | k financial strain | Overstien to determine to the first terminal |
| A.40 | Household housing costs | Question to determine housing affordability. Census of Population and Housing, 2016. |
| A.41 | Self-assessed affordability of | No precedent available. |
| 7.41 | housing costs | NO precedent avanable. |
| A.42 | Financial strain in last 12 months – | Screening question |
| A.44 | screening question | No precedent available. |
| A.43 | Financial strain in last 12 months – | ABS General Social Survey, 2014 (4159.0). |
| | by item | Jone, a. Jona, Jarvey, 2017 (4100.0). |
| Health status | 1 | |
| B.1 | Self-assessed health | Used to gauge general health & wellbeing of |
| | | reference person. |
| | | · |
| | | ABS Self Assessed Health in Australia, 2004-2005 and |
| | | ABS Self Assessed Health in Australia, 2004-2005 and 2011-13 (4365.0.55.001 and 4828.0.55.001). |
| B.2 | Physical health conditions | = |
| B.2 | Physical health conditions | 2011-13 (4365.0.55.001 and 4828.0.55.001). |

| | SA Monitoring and Surveillance System questionnaire, 2016. | |
|---|--|--|
| B.4 Long-term health condition tha | Reference person. | |
| restricts daily activities | The Household, Income and Labour Dynamics in | |
| | Australia Survey, wave 15. | |
| B.5 Long-term health condition tha | Other members of the household. | |
| restricts daily activities | The Household, Income and Labour Dynamics in | |
| | Australia Survey, wave 15. | |
| Demographics | | |
| Z.1 Age | Census of Population and Housing, 2016. | |
| Z.2 Age bracket | If participant declined to give exact age, their age | |
| | bracket was sought instead. | |
| | Standard PROS Item format. | |
| Z.3 Sex | ABS Standard for Sex and Gender Variables, 2016 | |
| | (1200.0.55.012). | |
| Z.4 Household's gross annual income | Data collected in brackets as CATI service provider | |
| | advised that participants are often very reluctant to | |
| | disclose exact income. | |
| | ABS Standards for Income Variables, 2015 (1287.0). | |
| Z.5 Main source of household's income | ABS Standards for Income Variables, 2015 (1287.0). | |
| Z.6 Household family structure | Enables standard family composition coding. | |
| | ABS Family, Households and Income Unit Variables, | |
| | 2014 (1286.0). | |
| Z.7 Number of children under the age | ABS normally use 15 years old as definition for a child | |
| of 18 years old | – it was decided that 18 years old may be a more | |
| | appropriate reflecting on employment and education | |
| | status. | |
| | Used to determine overcrowding. | |
| | No precedent available. | |
| Z.8 Number of adults over the age of 18 | Used to determine overcrowding. | |
| year old | No precedent available. | |
| Contact details | | |
| Z.9 Postcode | Data collected to enable spatial mapping of housing | |
| | conditions information. | |
| | Standard PROS Item format. | |
| Z.10 Town or suburb | Standard PROS Item format. | |
| Z.11 Number of telephones within | Standard PROS Item format. | |
| dwelling (including mobiles) | | |
| Z.12 Number of times that number | Standard PROS Item format. | |
| appear in the White Pages | | |
| Z.13 Consent to be contacted regarding | Standard PROS Item format. | |
| future research | | |
| Z.14 First name | Participants were reluctant to disclose their surname | |
| | in the pilot so the question was removed. | |
| | Standard PROS Item format. | |
| Z.15 Contact details – phone number | Standard PROS Item format. | |
| | 1 | |
| Z.16 Contact details – address | Standard PROS Item format. | |

APPENDIX 2: QUALITY ASSURANCE EXERCISE

Overview

Following primary data collection, a quality assurance exercise was completed. The overall aim of this fieldwork was to 'ground-truth' responses to the Housing Conditions Survey, focusing on those respondents whom reported major building problems or concerns regarding the physical quality of their dwelling.

The fieldwork was undertaken by the University of South Australia in South Australia, the RMIT University and Swinburne University in Victoria, and UNSW in New South Wales. The interviews were completed from mid-2017 to early 2018.

Interview protocol

In-person interviews were conducted at the respondents' dwellings, which included observation of dwelling amenity and quality (see below for the interview schedule and observational checklists). The interviews provided examples of major building problems or poor physical quality dwellings, how these cases related to the participants' perception and use of their dwelling, and how these concerns were managed or resolved. An observational checklist was used to gather baseline information about each dwelling. Photographs were used to capture examples of poor building quality or major building problems, taking care not to indirectly or directly identify the participant or their property.

Initial contact was made through an approach letter sent via mail. The approach letter included a copy of the Participant Information Sheet and Consent Form. Following initial contact, follow up contact was made either via email or telephone call. Consent was obtained prior to the commencement of the interview at the time of the appointment. Interviews were expected to take no longer than 1 hour. Reimbursement, a gift card to the value of \$40AUD, was offered to each household as recognition of the time given to participate in the interview. Two researchers attended each appointment.

Sample selection

Participants were selected from those who gave their consent to be contacted regarding further research at the completion of the Housing Conditions Survey. Of those consenting to be contacted, respondents who reported poor or very poor physical quality (Item A.31), major building problems (Item A.15), dissatisfaction with the physical condition (A.33) or the need for essential and urgent repairs (A.16) were shortlisted. From this shortlist, people reporting multiple problems (e.g. very poor physical quality, and the need for urgent and essential repairs) were prioritised in front of people reporting only one problem (e.g. dissatisfaction with the physical condition of the dwelling). Selection of participants within this shortlist also aimed to cover a mix of tenures, metro/non-metro areas and diversity in Socio-Economic Indexes for Areas (SEIFA), while also being broadly grouped by location to enable more efficient fieldwork. Prior to making an appointment to conduct the interview, the participants were asked two additional screening questions: 1) whether or not they still live in the same house as when they completed the Housing Conditions Survey; and 2) whether or not they still have problems or concerns with their dwelling. Participants answering in the negative to either of these questions were deemed ineligible to continue.

Results & reporting

Each interview was reported using a common template, incorporating fields for written notes from the interview, observational checklist and notes, and insertion of images within appropriate captions. All reports were anonymised before sharing with broader research team.

Reports may be accessed upon request to the research team via the contact details on the project webpage.

QUALITATIVE INTERVIEW SCHEDULE

Name:

Address

Researchers' ID:

Time & date:

1. In the Housing Survey, you mentioned some problems or concerns with your dwelling. Are you able to tell us a little more about these?

Prompts - ask about each problem in turn:

- · What is the nature of the problem?
- · When did you first notice the problem?
- How have the problem come about? e.g. lack of maintenance; poor quality maintenance; poor quality construction; accidental damage.
- Has the problem become worse?
- How does it affect living in the property?
 - i. Physical comfort
 - ii. Security
 - iii. Energy use/energy efficiency
 - iv. General health
 - v. Physical risk or injury
 - vi. Relationships/socialising
 - vii. Financial
- If these problem has resulted in any physical injury, could you please tell us a little more about what happened and where?
- [If respondent is a tenant] Is your landlord aware of the problem? If yes, what is your landlord's attitude to the problem? If no, why have you not reported the problem?
- What do you think are the prospects of getting the problem fixed?
- 2. Generally, how well would you say your current home meets the needs of you (and your household)?

Prompts:

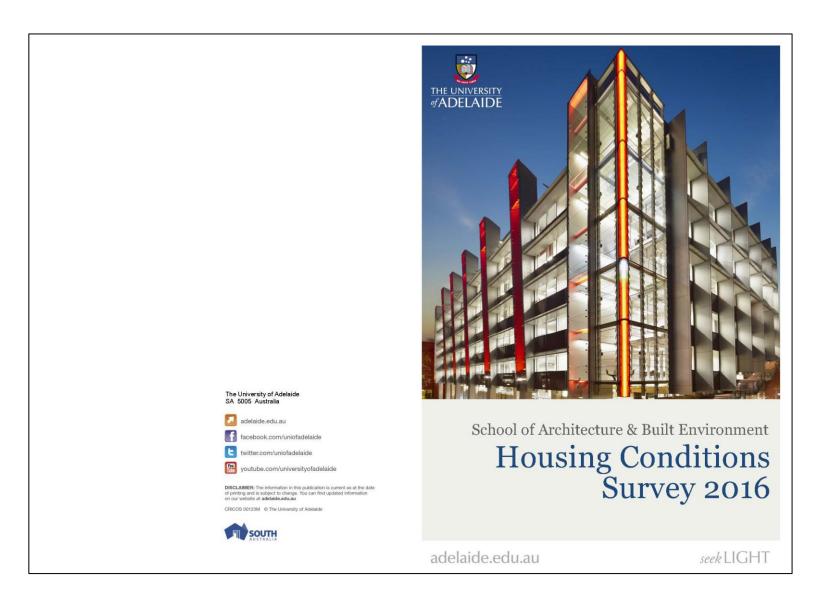
- Is it big enough, or too big?
- Are all members of the household able to get around it with ease (i.e. supports mobility of older occupants or those with disabilities)
- Is it in a location close to schools and/or work?
- Is it affordable?
- 3. If you could make any changes to your housing, what would your priories be?
- 4. Finally, thinking back to the Housing Survey, were there any questions that were not quite clear or that you had trouble answering?

3

| Name: | |
|---|--|
| Address: | |
| Researchers' ID: | |
| Time & date: | |
| | |
| 1. What facilities does the dwelling have? | Bathroom amenity/condition |
| ☐ Inside toilet | |
| ☐ Outside toilet | - |
| □ Bath or shower | |
| ☐ Hand basin | - |
| ☐ Kitchen sink | |
| ☐ Laundry wash-trough or basin | |
| □ Washing machine | Observe bathroom, make note of any outstanding issues & take pictures. |
| ☐ Water outlet, waste disposal & space for | tare potares. |
| a washing machine ☐ Oven & cooktop | |
| ☐ Kitchen bench space for food preparation | |
| ☐ Food storage cupboard | |
| | |
| lark all that are present. | |
| | |
| 2. Major building problems | |
| | |
| | |
| | |
| ote all major building problems & take pictures. | |
| | |
| ote all major building problems & take pictures. | |
| ote all major building problems & take pictures. | |
| ote all major building problems & take pictures. | |
| ote all major building problems & take pictures. 3. Kitchen amenity/condition bserve kitchen, make note of any outstanding issues & | |
| ote all major building problems & take pictures. 3. Kitchen amenity/condition bserve kitchen, make note of any outstanding issues & | |
| ote all major building problems & take pictures. 3. Kitchen amenity/condition bserve kitchen, make note of any outstanding issues & | |

| | 9: | | | | |
|----------|--------------|--|---------------|------|---|
| | ess: | | | | |
| | arch & da | ers' ID: | | | |
| | | nusual or extreme conditions within or in close proxin | nity to the p | rope | rty: |
| | | | | | |
| 1. | | nat is the external condition of | 4. | | all rooms appear to be reasonably wel |
| | | relling? | | | and ventilated? |
| | | Very good/excellent | | | Yes, completely |
| | | Good | | | Yes, mostly Variable |
| | | Average Poor | | П | No |
| | | Very poor/almost derelict | | | 140 |
| | | Variable (describe below) | | | |
| | | According to the Control of the Cont | 5. | Do | es the house appear to be reasonably |
| | | s. Make note of any outstanding instances that particularly poor or good quality. | ٠. | | aught proof and weatherproof? |
| TIONS | | | | | |
| | strate | particularly poor of good quanty. | | | Yes, completely |
| | strate | particularly poor or good quality. | | | Yes, mostly |
| | suate | particularly poor or good quarry. | | | |
| | strate | particularly post of good quarty. | | | Yes, mostly |
| | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No | 6. | ls t | Yes, mostly Variable |
| 2. | Is to free | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good Average | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good Average Poor | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good Average Poor Very poor/almost derelict | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good Average Poor Very poor/almost derelict Variable (describe below) | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. 3. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good Average Poor Very poor/almost derelict | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. 3. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good Average Poor Very poor/almost derelict Variable (describe below) If any outstanding instances that demonstrate | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. 3. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good Average Poor Very poor/almost derelict Variable (describe below) If any outstanding instances that demonstrate | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |
| 2. 3. | Is 1 fre | the property generally well maintained, e from rubbish, fire hazards, etc.? Yes, completely Yes, mostly No nat is the internal condition of dwelling? Very good/excellent Good Average Poor Very poor/almost derelict Variable (describe below) If any outstanding instances that demonstrate | 6. | ls t | Yes, mostly Variable No there any signs of moisture and damp the dwelling? Yes, many Yes, few Variable |

APPENDIX 3: HOUSING CONDITIONS SURVEY FLYER



About the survey

The Housing Conditions Survey is undertaken by the School of Architecture & Built Environment at The University of Adelaide. It is aimed at providing high quality data on current housing conditions in Australia.

The project is funded by the Australian Research Council (LE160100056) and The University of Adelaide, in partnership with The University of South Australia, The University of Melbourne, RMIT University, Swinburne University of Technology and The University of New South Wales. The project is led by Associate Professor Emma Baker at The University of Adelaide.

The project has approval from The University of Adelaide Human Research Ethics Committee, approval number H-2016-145.

Participating in the survey

Your household was randomly selected to participate in the telephone survey. One of our interviewers has already been in contact with your household to interview the adult in the household aged over 18 years old who had the last birthday.

The interview is conducted over the telephone and takes around 15 minutes. Your phone number was randomly selected from all telephone listings in the State via the Electronic White Pages.

All personal contact information collected will be confidential and your responses made anonymous.

While your input in the survey is important to us, participation is voluntary and you can choose to not answer any question or section, and you are free to withdraw from the survey at any time.

If you do not wish to participate, or if you have any concerns or questions about the survey, please contact the researchers via either email or telephone (details on right-hand page).

How your responses will be used

The information collected from this survey will form a resource that will be used by researchers nationwide. Its storage and administration will be overseen by The University of Adelaide and all use will be subject to ethical review. Importantly, no one will have access to your personal contact details or be able to identify you through your responses.

The information that you provide during the interview will be combined with other participants' responses and reported as a whole. No individual responses will be identified.

All personal contact information collected (i.e. name and contact numbers) and held by the University will be confidential and will not be identified in the research.

If you wish to access any personal information held or collected by the University you can do so by contacting the researchers via telephone or email.

Contact Information:

If you would like to speak with an independent person about any concerns or complaints about the study you can contact The University of Adelaide's Human Research Ethics Committee's Secretary:

hrec@adelaide.edu.au

OR

(08) 8313 6028

If you would like to speak to one of the researchers about the project, please contact Dr Lyrian Daniel:

lyrian.daniel@adelaide.edu.au

OR

(08) 8313 4592

APPENDIX 4: FREQUENCIES

Table 2. Unweighted frequencies

| Item code | Item | Frequency | Percent |
|---------------|---|------------------------|---------|
| | State | | |
| | New South Wales | 1486 | 33.0 |
| | Victoria | 1499 | 33.3 |
| | South Australia | 1516 | 33.7 |
| Total | | 4501 | 100 |
| Dwelling tenu | re & accommodation | | |
| A.1 | Tenure | | |
| | Owned outright | 2825 | 62.8 |
| | Owner with a mortgage | 1129 | 25.1 |
| | Being rented | 459 | 10.2 |
| | Other | 51 | 1.1 |
| | Don't know | 15 | 0.3 |
| | Refused | 22 | 0.5 |
| Total | | 4501 | 100 |
| A.2 | Landlord type (if renting) | | |
| | Real estate agent | 206 | 44.9 |
| | State or territory housing authority | 133 | 29.0 |
| | Person not in the same household | 98 | 21.4 |
| | Employer | 1 | 0.2 |
| | Other | 19 | 4.1 |
| | Don't know | 1 | 0.2 |
| Total | | 459 | 100 |
| A.3 | How the dwelling was purchased (if owning) | | |
| | Purchase this dwelling from a previous owner | 2837 | 71.8 |
| | Commission an architect | 67 | 1.7 |
| | Commission a building designer or draftsperson | 157 | 4.0 |
| | Purchase it off the plan (Land had been purchased prior | | |
| | to building) | 270 | 6.8 |
| | Purchase a house and land package (i.e. buying both | | |
| | the land and house at the same time) | 178 | 4.5 |
| | Knock down an existing dwelling and rebuild | 50 | 1.3 |
| | Self-build | 310 | 7.8 |
| | Other | 64 | 1.6 |
| | Don't know | 19 | 0.5 |
| | Refused | 2 | 0.1 |
| Total | | 3954 | 100 |
| A.4 | Years lived in current dwelling | | |
| | Less than one year | 80 | |
| | Average | 21.7 years (n 4 | 410) |
| A.5 | Times moved in past 5 years | | |
| | No moves in past 5 years | 3980 | |
| | Average | 1.7 moves (<i>n</i> 5 | 13) |
| A.6 | Dwelling type | | |
| | Separate house | 3766 | 83.7 |
| | Semi-detached, row or terrace house, townhouse, etc. | 412 | 9.2 |
| | Flat or apartment | 304 | 6.8 |
| | Other | 19 | 0.4 |
| Total | | 4501 | 100 |

| Item code | Item | Frequency | Percent | |
|----------------|---|------------------------------|-------------|--|
| A.7 | Number of stories | | <u> </u> | |
| | Average | 1.4 stories (<i>n</i> 4497) | | |
| A.8 | Level of flat or apartment | | | |
| | Average | 3.4 (n 185) | | |
| A.9 | Dwelling age | | | |
| | Average | 46.4 years old (<i>n</i> | 4195) | |
| A.10 | Number of bedrooms | | | |
| | Average | 3.2 bedrooms (n | 4498) | |
| A.11 | Number of car parking spaces | | | |
| | Average | 2.6 car parking spaces (n 44 | | |
| A.12 | Presence/adequacy of outdoor space | | | |
| | Adequate | 4308 | 95.7 | |
| | Inadequate | 189 | 4.2 | |
| | Not applicable | 4 | 0.1 | |
| Total | | 4501 | 100 | |
| Construction & | | | | |
| A.13 | Main material of roof | T | ı | |
| | Tiles | 2624 | 58.3 | |
| | Metal sheeting | 1655 | 36.8 | |
| | Concrete | 101 | 2.2 | |
| | Other | 33 | 0.7 | |
| | Don't know | 88 | 2.0 | |
| Total | | 4501 | 100 | |
| A.14 | Main material of outside walls | T | ı | |
| | Masonry (include brick, double brick, brick veneer, | 3673 | 81.6 | |
| | stone, concrete) | | | |
| | Timber | 448 | 10.0 | |
| | Fibro cement sheet | 238 | 5.3 | |
| | Steel or aluminium | 53 | 1.2 | |
| | Other | 68 | 1.5 | |
| | Don't know | 21 | 0.5 | |
| Total | | 4501 | 100 | |
| A.15 | Major building problems | T | 1 | |
| | Have major building problems | 532 | 11.8 | |
| | No major building problems | 3950 | 87.8 | |
| | Don't know | 19 | 0.4 | |
| Total | District desire | 4501 | 100 | |
| | Rising damp | 74 | 13.9 | |
| | Mould Creaks in walls /floors | 47 | 8.8 | |
| | Cracks in walls/floors | 276 | 51.9 | |
| | Sinking/moving foundations | 90 | 16.9 | |
| | Sagging floors | 34 | 6.4 | |
| | Walls/windows out of plumb (not plumb means out of alignment) | 41 | 77 | |
| | • | 41 | 7.7 6.2 | |
| | Wood rot/termite damage Electrical problems | 33 18 | | |
| | Roof defect | 73 | 3.4 13.7 | |
| | Other | 67 | 12.6 | |
| Total | Ottlet | 532 | - | |
| A.16 | Need for repairs | J32 | | |
| A.10 | | 1946 | 12.2 | |
| | No need | 1651 | 43.2 | |
| Total | Desirable, but low need | | 36.7 | |
| Total | Moderate need | 694 | 15.4 | |

| Item code | Item | Frequency | Percent |
|---------------|--|-------------------|---------|
| | Essential need | 128 | 2.8 |
| | Essential and urgent need | 61 | 1.4 |
| | Don't know | 21 | 0.5 |
| | | 4501 | 100 |
| A.17 | Repairs or maintenance completed in last 12 months | | 100 |
| 7.11.2.7 | No repairs carried out | 2116 | 47.0 |
| | Repairs carried out | 2350 | 52.2 |
| | Don't know | 35 | 0.8 |
| Total | DOTTERIOW | 4501 | 100 |
| 10141 | Painting | 1236 | 52.6 |
| | Roof repair/maintenance | 543 | 23.1 |
| | Tile repair/maintenance | 263 | 11.2 |
| | Electrical work | 724 | 30.8 |
| | Plumbing | 1035 | 44.0 |
| | Other | 51 | 2.2 |
| Total | Other | 2032 | - |
| A.18 | Value of repairs or maintenance | 2032 | |
| A.10 | Average | \$5,834 (n 1820 | 1 |
| Enorgy indoor | environment & safety | 33,634 (11 1620) |) |
| A.19 | Dwelling modifications (if owning) | | |
| A.19 | Modifications completed | 3853 | 85.6 |
| | ' | 638 | 14.2 |
| | No modifications completed Don't know | 7 | 0.2 |
| | | | |
| Tatal | Refused | 3 | 0.1 |
| Total | Double and all attributes and an action of the contract of | 4501 | 100 |
| | Replaced electric hot water system with gas hot water system | 1105 | 28.7 |
| | Installed solar hot water system | 445 | 11.5 |
| | Installed solar electricity | 1088 | 28.2 |
| | Installed insulation | 1357 | 35.2 |
| | Installed ceiling fans | 1354 | 35.1 |
| | Installed double glazed windows | 224 | 5.8 |
| | Installed outside awnings/shutters that improved | 1135 | 29.5 |
| | energy efficiency | | |
| | Modified the dwelling for age or disability (e.g. ramps, | 495 | 12.8 |
| | rails, wider doors, etc.) | | |
| | Major kitchen renovation | 1621 | 42.1 |
| | Major bathroom renovation | 1440 | 37.4 |
| | Added rooms or extensions | 1113 | 28.9 |
| | Other | 125 | 3.2 |
| Total | | 3853 | - |
| A.20 | Ability to keep warm in winter | | 1 |
| | Yes | 4240 | 94.2 |
| | No | 258 | 5.7 |
| | Don't know | 3 | 0.1 |
| Total | | 4501 | 100 |
| A.21 | Ability to keep cool in summer | | 1 |
| | Yes | 4227 | 93.9 |
| | No | 235 | 5.2 |
| | Not applicable | 10 | 0.2 |
| | Don't know | 29 | 0.6 |
| Total | DOTT C KNOW | 4500 | 100 |
| A.22 | Adequacy of natural light indoors | - -500 | 1 100 |
| Total | Yes | 4067 | 90.4 |
| TULAI | 163 | +007 | 30.4 |

| Item code | Item | Frequency | Percent |
|-----------|---|-----------|---------|
| | No | 420 | 9.3 |
| | Don't know | 14 | 0.3 |
| | | 4501 | 100 |
| A.23 | Frequency of bothersome noise | I | |
| | Very often | 119 | 2.6 |
| | Fairly often | 312 | 6.9 |
| | Not very often | 2231 | 49.6 |
| | Never | 1836 | 40.8 |
| | Refused | 3 | 0.1 |
| Total | | 4501 | 100 |
| A.24 | Presence of electrical safety switch or circuit breaker | 1 .552 | |
| | Yes | 4071 | 90.4 |
| | No | 191 | 4.2 |
| | Don't know | 239 | 5.3 |
| Total | | 4501 | 100 |
| A.25 | Presence of functioning smoke detector | 1 | |
| | Yes | 4325 | 96.1 |
| | No | 144 | 3.2 |
| | Don't know | 31 | 0.7 |
| | Refused | 1 | 0.0 |
| Total | Herasea | 4501 | 100 |
| A.26 | Main sources of energy or fuel | 1301 | 100 |
| 7.1.20 | Electricity | 4246 | 94.4 |
| | Mains gas | 2541 | 56.5 |
| | Bottled gas/LPG (excluding small bottles used | 244 | 5.4 |
| | occasionally) | | |
| | Wood | 424 | 9.4 |
| | Solar (solar electricity or solar hot water) | 721 | 16.0 |
| | Other | 12 | 0.3 |
| Total | | 4497 | |
| | Don't know | 3 | 0.1 |
| | Refused | 1 | 0.0 |
| Total | | 4501 | - |
| A.27 | Maintenance of gas heating appliances in last 2 years | I | |
| | Yes | 1164 | 25.9 |
| | No | 1033 | 23.0 |
| | Not applicable | 2245 | 49.9 |
| | Don't know | 59 | 1.3 |
| Total | | 4502 | 100 |
| A.28 | Physical security of dwelling | | |
| | Adequate | 4384 | 97.4 |
| | Inadequate | 107 | 2.4 |
| | Don't know | 9 | 0.2 |
| | Refused | 1 | 0.0 |
| Total | | 4501 | 100 |
| A.29 | Feeling of safety during the day | • | • |
| | Very safe | 3762 | 83.6 |
| | Safe | 668 | 14.8 |
| | Neither safe nor unsafe | 26 | 0.6 |
| | Unsafe | 17 | 0.4 |
| | Very unsafe | 3 | 0.1 |
| | Never home alone during the day | 21 | 0.5 |
| Total | Don't know | 2 | 0.0 |
| | 1 | <u> </u> | 1 |

| Item code | Item | Frequency | Percent |
|-----------------|---|-----------|---------|
| | Refused | 2 | 0.0 |
| | | 4501 | 100 |
| A.30 | Feeling of safety at night | | |
| | Very safe | 3479 | 77.3 |
| | Safe | 922 | 20.5 |
| | Neither safe nor unsafe | 31 | 0.7 |
| | Unsafe | 46 | 1.0 |
| | Very unsafe | 6 | 0.1 |
| | Never home alone after dark | 9 | 0.2 |
| | Don't know | 5 | 0.1 |
| | Refused | 3 | 0.1 |
| Total | | 4501 | 100 |
| Quality & satis | faction | | |
| A.31 | Self-assessed quality of dwelling | | |
| | Excellent | 1760 | 39.1 |
| | Good | 2029 | 45.1 |
| | Average | 645 | 14.3 |
| | Poor | 50 | 1.1 |
| | Very poor | 13 | 0.3 |
| | Don't know | 4 | 0.1 |
| Total | | 4501 | 100 |
| A.32 | Physical injury as a result of dwelling condition | | |
| | Yes | 99 | 2.2 |
| | No | 4398 | 97.7 |
| | Don't know | 3 | 0.1 |
| | Refused | 1 | 0.0 |
| Total | | 4501 | 100 |
| A.33 | Aspects of dwelling dissatisfaction | | |
| | Dissatisfied with some aspect(s) of dwelling | 1006 | 22.4 |
| | Not dissatisfied with any aspects of dwelling | 3465 | 77.0 |
| | Don't know | 28 | 0.6 |
| | Refused | 2 | 0.0 |
| Total | | 4501 | 100 |
| | Too big | 62 | 6.2 |
| | Too small | 162 | 16.1 |
| | Too cold | 103 | 10.2 |
| | Too hot | 62 | 6.2 |
| | Poor condition of dwelling | 115 | 11.4 |
| | Structurally unsound | 58 | 5.8 |
| | Needs to be more secure | 17 | 1.7 |
| | Maintenance too high | 143 | 14.2 |
| + | Other | 477 | 47.4 |
| Total | Cariafa asian wish about the | 1006 | - |
| A.34 | Satisfaction with dwelling | 2056 | C2.F |
| | Very satisfied | 2856 | 63.5 |
| | Satisfied Neither satisfied par dissatisfied | 1536 | 34.1 |
| | Neither satisfied nor dissatisfied | 37 | 0.8 |
| | Dissatisfied Von dissatisfied | 58 | 1.3 |
| | Very dissatisfied | 11 | 0.2 |
| | Don't know | 2 | 0.0 |
| Takel | Refused | 1 | 0.0 |
| Total | Catisfaction with the leasting of the should | 4501 | 100 |
| A.35 | Satisfaction with the location of the dwelling | | |

| Item code | Item | Frequency | Percent |
|---------------|--|----------------|---------------------------------------|
| | Very satisfied | 3492 | 77.6 |
| | Satisfied | 891 | 19.8 |
| | Neither satisfied nor dissatisfied | 42 | 0.9 |
| | Dissatisfied | 65 | 1.4 |
| | Very dissatisfied | 9 | 0.2 |
| | Don't know | 2 | 0.0 |
| Total | Don't know | 4501 | 100 |
| A.36 | Housing condition to enable social interaction | 4301 | 100 |
| | Yes, completely | 4132 | 91.8 |
| | Yes, with reservations | 298 | 6.6 |
| | No | 63 | 1.4 |
| | Don't know | 7 | 0.2 |
| | Refused | 1 | 0.0 |
| Total | THE STATE OF THE S | 4501 | 100 |
| A.37 | Intention to move in the next 5 years | | |
| | Stay in current dwelling | 3376 | 75.0 |
| | Move to a different dwelling | 687 | 15.3 |
| | Don't know | 437 | 9.7 |
| | Refused | 1 | 0.0 |
| Total | neruseu | 4501 | 100 |
| A.38 | Reasons for wanting to move (those wanting to mov | | 100 |
| A.36 | Housing reasons | 238 | 34.6 |
| | Employment reasons | 28 | 4.1 |
| | Accessibility reasons | 48 | 7.0 |
| | Family reasons | 122 | 17.8 |
| | Lifestyle reasons | 260 | 37.8 |
| | | 14 | 2.0 |
| | Neighbours/neighbourhood reasons Health reasons | 42 | 6.1 |
| | Other | 66 | 9.6 |
| | | 7 | |
| Total | Don't know | | 1.0 |
| Total A.39 | Barriers to moving (those wanting to move) | 687 | - |
| A.59 | No barriers | 501 | 72.9 |
| | | | |
| | Barriers | 176 | 25.6 |
| Total | Don't know | 10 | 1.5 |
| Total | Court offered the coate accessated with manying | 687 | 100 |
| | Can't afford the costs associated with moving | 113 | 64.2 |
| | Too much effort to move | 18 | 10.2 |
| | For frailty, disability or ill health reasons | 16 | 9.1 |
| | Other | 34 | 19.3 |
| Total | 0.6: | 176 | - |
| | & financial strain | | |
| A.40 | Household housing costs | ¢244 1 | . / n 1127\ |
| A 41 | Average | \$341 per weel | · · · · · · · · · · · · · · · · · · · |
| A.41 | Self-assessed affordability of housing costs (those n | | |
| | Yes, completely | 1298 | 77.4 |
| | Yes, with reservations | 278 | 16.6 |
| | No | 38 | 2.3 |
| | Don't know | 40 | 2.4 |
| | Refused | 22 | 1.3 |
| Total | <u> </u> | 1676 | 100 |
| A.42 | Financial strain in last 12 months | | |
| Total | Yes | 560 | 12.4 |

| Item code | Item | Frequency | Percent | | |
|---------------|--|-----------|---------|--|--|
| | No | 3896 | 86.6 | | |
| | Don't know | 20 | 0.4 | | |
| | Refused | 25 | 0.6 | | |
| | | 4501 | 100 | | |
| A.43 | Financial strain in the last 12 months (those experiencing financial strain) | | | | |
| | Could not pay electricity, gas or telephone bills on time | 155 | 56.6 | | |
| | Could not pay mortgage or rent payments on time | 74 | 27.0 | | |
| | Could not pay for car registration or insurance on time | 92 | 33.6 | | |
| | Could not make minimum payment on credit card | 60 | 21.9 | | |
| | Pawned or sold something because you needed cash | 55 | 20.1 | | |
| | Went without meals | 38 | 13.9 | | |
| | Were unable to heat your home | 40 | 14.6 | | |
| | Sought financial assistance from friends or family | 127 | 46.4 | | |
| | Sought assistance from welfare or community | 48 | 17.5 | | |
| | organisations | | | | |
| Total | | 274 | - | | |
| | None of these | 284 | 50.7 | | |
| | Refused | 2 | 0.4 | | |
| Total | | 560 | 100 | | |
| Health status | 1 | | | | |
| B.1 | Self-assessed health | | | | |
| | Excellent | 973 | 21.6 | | |
| | Very good | 1563 | 34.7 | | |
| | Good | 1325 | 29.4 | | |
| | Fair | 452 | 10.0 | | |
| | Poor | 175 | 3.9 | | |
| | Don't know | 4 | 0.1 | | |
| | Refused | 9 | 0.2 | | |
| Total | | 4501 | 100 | | |
| B.2 | Physical health conditions | | 1 | | |
| | Yes | 2400 | 53% | | |
| | No | 2052 | 46% | | |
| | Don't know | 26 | 1% | | |
| | Refused | 23 | 1% | | |
| Total | | 4501 | 100 | | |
| | Asthma | 637 | 26.5 | | |
| | Chronic bronchitis, or other respiratory illnesses | 260 | 10.8 | | |
| | Coronary heart disease or angina | 413 | 17.2 | | |
| | High blood pressure (hypertension) | 1354 | 56.4 | | |
| | Allergy, such as rhinitis, hay fever, eye inflammation, | 832 | 34.7 | | |
| | dermatitis, food allergy or other allergy (not asthma) | | | | |
| Total | | 2400 | - | | |
| B.3 | Mental health in the last 12 months | | • | | |
| | Mental health condition | 637 | 14.2 | | |
| | No mental health condition | 3811 | 84.7 | | |
| | Don't know | 20 | 0.4 | | |
| | Refused | 33 | 0.7 | | |
| Total | | 4501 | 100 | | |
| | Anxiety | 339 | 53.2 | | |
| | Depression | 342 | 53.7 | | |
| | A stress related problem | 239 | 37.5 | | |
| | Any other mental health problem | 41 | 6.4 | | |
| Total | , | 637 | - | | |
| 1000 | l | 1 20. | 1 | | |

| Item code | Item | Frequency | Percent |
|--------------|--|-----------|---------------|
| B.4 | Long-term health conditions that restricts daily activities (reference person) | | |
| | Yes | 964 | 21.4 |
| | No | 3505 | 77.9 |
| | Don't know | 10 | 0.2 |
| | Refused | 22 | 0.5 |
| Total | | 4501 | |
| B.5 | Long-term health conditions that restricts daily activities | | of household) |
| | Yes | 677 | 15.0 |
| | No | 3400 | 75.5 |
| | Not applicable | 394 | 8.8 |
| | Don't know | 8 | 0.2 |
| | Refused | 22 | 0.5 |
| Total | | 4501 | 100 |
| Demographics | | | |
| Z.2 | Age bracket | | |
| | 18-24 | 87 | 1.9 |
| | 25-34 | 80 | 1.8 |
| | 35-44 | 340 | 7.6 |
| | 45-54 | 849 | 18.9 |
| | 55-64 | 1146 | 25.5 |
| | 65-74 | 1086 | 24.1 |
| | 75+ | 913 | 20.3 |
| Total | 75. | 4501 | 100 |
| Z.3 | Gender | 1.002 | 1 200 |
| | Male | 1920 | 42.7 |
| | Female | 2581 | 57.3 |
| Total | | 4501 | 100 |
| Z.4 | Household's gross annual income | 1 | 1 |
| | Up to \$12,000 | 64 | 1.4 |
| | \$12,001 - \$20,000 | 335 | 7.4 |
| | \$20,001 - \$40,000 | 638 | 14.2 |
| | \$40,001 - \$60,000 | 414 | 9.2 |
| | \$60,001 - \$80,000 | 363 | 8.1 |
| | \$80,001 - \$100,000 | 317 | 7.0 |
| | \$100,001 - \$150,000 | 407 | 9.0 |
| | \$150,001 - \$200,000 | 244 | 5.4 |
| | More than \$200,000 | 213 | 4.7 |
| | Not stated/Refused | 750 | 16.7 |
| | Don't know | 756 | 16.8 |
| Total | | 4501 | 100 |
| Z.5 | Main source of household's income | 1 | |
| | Wages or salary (including from own incorporated business) | 2082 | 46.3 |
| | Own unincorporated business or share in a partnership | 244 | 5.4 |
| | Government pension or allowance | 1293 | 28.7 |
| | Superannuation, an annuity or private pension | 641 | 14.2 |
| | Other | 92 | 2.0 |
| | Don't know | 28 | 0.6 |
| | Refused | 121 | 2.7 |
| Total | | 4501 | 100 |
| Z.6 | Household family structure | | , |
| | Couple with no children | 1434 | 31.9 |
| Total | Couple with children | 1472 | 32.7 |
| Total | Coupic with children | 17/4 | 34.1 |

| Item code | Item | Frequency | Percent | |
|-----------|--|-----------------|------------------------------|--|
| | One parent family with children | 240 | 5.3 | |
| | Lone person | 1056 | 23.5 | |
| | Other family structure | 216 | 4.8 | |
| | Shared living arrangement with friends | 36 | 0.8 | |
| | Refused | 47 | 1.0 | |
| | | 4501 | 100 | |
| Z.7 | Number of children under the age of 18 years old | | | |
| | Average | 1.8 children (n | 1.8 children (<i>n</i> 876) | |
| Z.8 | Number of adults over the age of 18 year old | | | |
| | Average | 2.1 adults (n 4 | 2.1 adults (n 4455) | |