

AP2 Community Engagement Snapshot

AP2 Action 5 - Community Engagement Strategy, requires the Government to build on the experience of the ACTSmart programs to develop a comprehensive strategy to engage the community on climate change matters. The Community Engagement Strategy is in its initial stages of development and will be subject to further consultation.

The consultants, *contentgroup* and Piazza Research, were engaged to assist in the development of a draft strategy. To inform the strategy, Piazza Research undertook a phone survey to define community attitudes on climate change issues. The survey was undertaken on 1,200 households across representative demographics in the ACT.

Survey key messages

The results stemming from the survey indicate a very high level of awareness, across all demographics, of climate change issues and overall support for action both at the personal level and through Government leadership.

Specific findings indicate that the Canberra community believe that:

- Climate change is a genuine problem for the future (88%);
- Lifestyles contribute to climate change; it is not too late for action and failing to do so would result in unfavourable consequences (68%);
- Householders would need to make difficult or inconvenient changes in helping to tackle climate change (62%);
- Individuals should personally take more action (68%);
- Action by householders can make a difference (84%);
- It is moderately or very urgent for the ACT Government to take action to tackle climate change (76%);
- The ACT Government should take strong leadership role to help ACT residents tackle climate change (81%);
- On average \$1.62 per day (per household) is an affordable amount to contribute towards new infrastructure and technologies required to reduce carbon emissions;
- Residents would feel good knowing that the Government was taking action (81%);
- That it is the moral duty of the community to take action (79%);
- That they would be supported by family and friends in taking action (62%); and
- That they would be more willing to take action if they knew others were also taking action (56%).

The survey also found that:

- Less than 40% of residents are aware of the ACT Government's plan to reduce carbon emissions; and
- Support for the ACT Government reducing emissions is very high ranging from 73% to 95% for a series of actions derived from AP2.

The report also outlines the top channels considered most effective for communication and engagement and provides some communication messages.

Framework for development of the strategy

Based on these results, ESDD will proceed to further develop the draft strategy with the key objectives of ensuring that all sectors of the community retain high levels of understanding of the implications of climate change and the work the Government is undertaking towards emission reduction targets and adaptation.

Consultation

Development of the strategy will include targeted consultation with key community organisations, across government as well as with the Climate Change Council.

Staged approach

The strategy seeks to enhance community engagement in taking action on climate change and achieving the ACT's emission reduction and renewable energy targets by 2020. It will do so through a raft of activities to develop a two way communication relationship with the various demographic groups that form the community. These activities may include, among others, meetings with stakeholders, media events, workshops and use of social media. The effectiveness of these activities and of the overall strategy will be reviewed on a regular basis with modifications implemented as appropriate.

Summary Results

AP 2 Survey Report 2013

Method

- Phone
- Lit review (Jurisdictions, Academic, Consultations)
- Pilot tested
- ISO 20252
- Age spread
- Sample n=1,197
- Margin of error +/- 2.9%

Fieldword

- Data collection was conducted between 20th August and 11th Sept 2013 using a CATI system.
- Team briefed and supervised

Attitudes toward climate change

- (88%) believe that climate change is a genuine problem for the future.
- accept their own lifestyles contribute to climate change (68%).
- not too late to take action and taking no action would result in unfavourable consequences
- (62%) believe householders would have to make difficult or inconvenient
- (68%) believed they should personally take more action.
- (84%) believe that actions by householders can help make a difference to tackling climate change.

Perceived urgency of action by the ACT Government to take action

- (76%) of ACT residents believe it is moderately or very urgent for the ACT Government to take action to tackle climate change.

Support for ACT Government Action

- (81%) of ACT residents want the ACT Government to take a strong leadership role to help ACT residents tackle climate change.

Residents' opinions of affordable additional cost per day

- On average, ACT residents consider \$1.62 per day (per household) an affordable amount to pay to contribute to the cost of new infrastructure and technologies required to reduce carbon emissions.

Personal reward

- (81%) would feel good knowing the ACT government was taking serious action
- 79% believe it is a moral duty for the ACT community to take action.

Influencers

- (62%) friends, family or work colleagues would encourage them to take
- (56%) would be more willing to take action if they knew that others were also taking action.

Awareness of current ACT government activity

- Less than half (40%) of ACT residents believe they are aware of ACT Government plans to reduce carbon emissions

Support for ACT Government AP2 Plan

- very high with between 73% and 95% of residents supporting each of the 10 plans suggested.
- 8 out of 10 actions enjoyed the support of more than **80%** of the ACT community.

Communications/ engagement channels

- Information provided with your energy bills
- Information provided through schools to students and parents
- Radio
- TV advertising or TV education campaign
- Newspapers or magazines
- The ACT Government website
- Brochures delivered to your home
- Social media important for <25 year olds.

Willingness and ability to act

- median score 8 out of a possible 10.
- perceived ability to act (7 out of 10)

Useful engagement / communication messages

- Climate change is a genuine problem for the future – it will affect you.
- Your lifestyle habits contribute to climate change.
- The changes to make a difference don't need to be difficult.
- Actions by you to reduce greenhouse gas emissions make a difference.
- It's not too late to take action.
- Other people are taking actions on climate change, you can too

BRIEF



ACT
Government
Environment and Planning

Objective File No 2016/07332

07 JUN 2016
Rec'd Minister's Office .../.../...

UNCLASSIFIED

To Minister for the Environment and Climate Change

From Director-General ✓ [redacted] 6/6/16
Executive Director, Sustainability and Climate Change [redacted] 6/6/16

Commencement of a follow-up survey on community attitudes towards climate change related issues

Critical Date 10/06/2016

Critical Reason To inform ongoing community engagement on climate change

Purpose

1. To inform you of the commencement of a follow-up survey by Piazza Research on community attitudes towards climate change related issues.
2. To seek your approval to the proposed survey questions.

Background

3. In 2013 Climate Change Policy in the Environment and Planning (EPD) contracted Piazza Research to undertake a phone survey to gauge Canberrans' attitudes on climate change related issues. The survey was undertaken on 1,200 households across in the ACT.
4. The results were central to the development of an effective climate change adaptation engagement program and provided insight on the community's degree of support on action on climate change.
5. Survey results indicated a high level of awareness on climate change issues across all demographics. Likewise, the overall support and willingness for action, both at the personal level and through Government leadership, was high.
6. Awareness on ACT Government's work on climate change was not as widespread. Only 40% of respondents believed they are aware about the ACT Government's plans to reduce carbon emissions.

Issues

7. Since the survey was conducted in 2013 the past three years have seen the ACT leading nationally and internationally in climate change policy and action.

Performance Assessment

DUE DATE:/...../..... DATE RECEIVED:...../...../.....

SATISFACTORY

UNSATISFACTORY

According to criteria specified in ACT Government Policy Performance Measures

Signature / .../....

8. To maintain best practice in policy development, decision-making and the continuous implementation of a monitoring and review mechanism, a follow-up survey is recommended.

9. Conducting a follow-up survey provides the basis for data comparison and allows informed consideration of future policy directions. It further facilitates the development of more refined messages on the Government's work on emission reductions.

10. Survey questions have been, for the most part, kept the same as in the original 2013 survey to ensure replies are comparable. In order to maintain the length of the survey acceptable to those being surveyed (approximately 10 minutes), the number of questions overall has been limited to 35. This includes two new questions, one on electric vehicles and one on climate change adaptation to help inform current policy development.

11. These changes were undertaken in consultation with Piazza Research and are in line with best practice question development. That means the responses from interviewees will not be influenced or altered and will not have an impact on the overall results.

12. The questions are provided in Attachment A.

Financial Implications

13. Approval for a single select process to procure Piazza Research was sought (brief A11935695) as its quote of \$45,614 for the repeat survey exceeds the single quotation threshold of \$25,000. The single select process is justified on the basis of providing continuity on the survey analysis. Funding for the survey has been allocated within the Climate Change Budget.

Directorate Consultation

14. Internal consultation with Communications, Energy Policy and Sustainability Programs has taken place in order to agree on the appropriateness of the research questions as well as the timing of the survey.

External Consultation

15. External consultation has taken place with the Climate Change Council, Piazza Research, and officers of the Energy Policy team to refine the survey questions. Suggestions by Members of the Climate Change Council for additional questions on new topics were considered and discussed with relevant teams and the consultant. It was decided not to incorporate them as some were already covered by existing questions or would require modifying and expanding the survey beyond the suggested time considered acceptable. Climate Change Policy team will write to the Council to explain these considerations.

Benefits/Sensitivities

16. This survey allows for the comparison of the community's attitudes towards climate change over time and helps assess the effectiveness of the ACT Government's communication with Canberrans. It will further reveal the intrinsic value the ACT's community places on living in an environmentally conscious city transitioning to a low-carbon economy.

Media Implications

17. A draft media release has been prepared for your approval, Attachment B. The media release will alert the community and explain the purpose of the survey.

Recommendations

That you:

- note the information contained in this brief;
NOTED/PLEASE DISCUSS
- agree to the survey questions at Attachment A; and
AGREED/NOT AGREED/PLEASE DISCUSS
- agree to draft media release at Attachment B.
AGREED/NOT AGREED/PLEASE DISCUSS

[Signature]
Simon Corbell MLA /.../....

Minister's Comments

[Empty box for Minister's Comments]



2/06/16

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ACT Longitudinal Survey on Climate Change

Results of Pilot Testing

27/6/2017

Lead author: Associate Professor Jacki Schirmer, jacki.schirmer@canberra.edu.au

Summary

This document summarises results of the pilot test of the survey: 'Living well in the ACT with a changing climate'. Staff at the Centre for Research and Action in Public Health, University of Canberra were invited to completing the pilot survey and provide feedback on how to improve the survey in the comment boxes provided. They were also asked to invite 1 or 2 family or friends to do the same. There were a total of 11 responses between Tuesday 20th and Monday 26th July 2017.

The key feedback received from respondents was that they felt overwhelmed by a) the length, b) the detailed questions and c) the repetitive wording. Several responses suggested that the participant would have started giving limited attention or stopped participating altogether. Although this perspective was not universally shared, very strong statements were made that suggest drastically cutting it down. Another important recommendation was that the term "Climate Change" usually suggests global scale activities, and created unease in the respondents about how these questions about their 'personal life' was relevant. It is recommended some attention be made to the text in the introduction, to further clarify the intent to measure personal and household adaptive capacity to adverse environmental conditions.

Many further comments and detailed suggestions for improvement were made (and are listed below); however it is recommended that the current number of items be reduced in the first instance prior to modifying any current items based on the recommendations.

Itemised list of comments

Part 1, Introduction

2 comments stated that the introduction was too wordy, too long. Question was asked if there could be a link to another website to give more details to those who want to find out more about CC.

1 stated that they were not clear whether to answer from their personal experience or the ACT in general.

Part 1, Q1.2 - Wording for: How you find living in the ACT"

Could change to "your thoughts on living in the ACT" or "what do you think about living in the ACT"

Found this subtitle" How do you feel about living costs and economic and social opportunities in the ACT?" didn't really flow into the first question "I would recommend the ACT as a good place to live to others". I think it's because you have prefaced it with 'living costs and economic (and social) opportunities' so I focused more on the money aspects (1st two points in the sentence) rather than the social (last) and therefore probably expected something more directly related to the cost of living

Some of the questions would be difficult to answer for someone who has recently moved here.

Part 1, Q1.4 - Thinking about the part of the ACT you live in (your suburbs or group of suburbs, or your rural area), how welcoming and pleasant do you find it?

One found this easy to understand but difficult to rate these questions

Part 1, Q1.6 - Which of the following are the most important issues for the ACT at the moment?

Please rank the top 5 issues from 1 (most important) to 5 (less important). If you wish, you can continue ranking beyond the top 5 (there are 18 issues listed below in total).

Most found the list too long and difficult to rank, very time consuming. Some could not see the link between CC and this question. Other would add items such as "immigration policy/refugees"

One person felt that these should be added: inefficient mass transit - single persons travelling large distances in large petrol-diesel guzzling cars; road safety and reckless driving as an impediment to active travel (for school kids in particular) and a serious threat to injury and death on roads; poor prospective health being designed in by developers ravaging the landscape and throwing up densely packed housing with very little amenity for those who have to live there.

Part 1, Q1.7 - HOW OFTEN do you do the following things (no matter where the activities occur)?

Sporting groups instead of sports groups?

Could add religious groups

Part 1, Q1.8 - How do you find the outdoor areas near where you live, and in the ACT more generally?

Change question wording to "what are your thoughts regarding" ?

Item "more tree planting" can you just say "more trees"? More tree planting could result in the same number of trees due to tree removal

Some of the choices are a bit repetitive

Part 1, Q1.9 - Do any of the following make it difficult for you to spend time walking outdoors near where you live?

Item "Risk of crime" could be further differentiated between 'during the day' and 'during the evening/night' therefore could add an item 'inadequate lighting after dark'

Change item wording "My caring obligations make it difficult to go out and walk" to "My caring obligations make it difficult for me to go out and walk"

Part 2, Q2.3 - In the last four weeks, how often have you felt...

I don't agree with Question 1. You are constraining the amount of variation you will get by giving just five categorical response options. The best way to get self-reported health is to ask for a rating from 1-10. This will ensure greater precision as well as generate an actual continuous score whereas your five categorical response options provide only an ordinal score which you cannot validly analyse as if it were continuous.

Part 2, Q2.12 - Thinking about your own life and personal circumstances, how satisfied are you with the following?

Does work only refer to paid work? Could be made clearer

Part 3, Q3.2 - How do you find heating and cooling your home?

One stated that they don't like the "how do you find"

Part 3, 3.3 - In the last 12 months, about how much did your household spend on electricity and gas bills (in total, combining both types of expense)? Select one.

This assumes that respondents will know the answer. Some may have their bills paid for them.

Either include a qualifying question to know whether they were guessing.

Part 3, 3.4 - Do you have any of the following at your residence?

Last item in this question 'Shaded outdoor areas e.g. a shaded deck, shady tree you can sit under on a hot day' could read 'Shaded outdoor areas e.g. a shaded deck OR a shady tree you can sit under on a hot day'

We have air conditioning units in every room, recommended for the green loans scheme to be able to zone our cooling and heating, because our ducted heating is not zonable. Perhaps an option for reverse cycle air con in more than 2 rooms of the house.

Add "gas heater" as an example to "heating from fixed units" if non-ducted gas heating is included

in that category. Not currently clear. Our solar panels with good ongoing feed-in tariff are essential elements of the affordability of our home's energy system and this doesn't seem to be captured here. Does it matter that only some windows have been double-glazed?

Heaters (portable) are only needed in winter months

Part 3, 3.5 - Have you done or are you planning to do any of the following actions?

2 people mentioned that the wording of scale is too wordy

Include the scale option "sometimes" or 'do this when I can'

We use our appliances to maximize our solar system - our electricity is offset by our solar. Perhaps a question about 'using electrical appliances to make the most of the solar set up'. Additionally, if we had a battery storage system for our solar (something we plan on getting) it will again change the way we use our appliances.

Part 4, Q4.2 - What do you do to cope with hot days and heatwaves?

Could add the option of "avoid cooking hot dishes", "dress accordingly", "take a cold shower/bath"

Other options not included "eat raw foods or use outdoor cooking facilities"; "manage heat indoors by drawing curtains and closing up house"; "invite friends or family without air conditioning to visit"; "change the way I dress, including wearing a hat outdoors"

At this point in the survey my interest in participating is waning, and I worry you will see limited completions and also risk glib answers from those who do complete if only because this is asking for a highly significant commitment from respondents.

Part 4, Q4.6 - Is your home in a bushfire risk zone or flood zone?

Is this supposed to be based on actual land zoning? - Or based on our understanding of whether there is risk of bushfire or flood at our place? Perhaps be specific

Part 4, Q4.9 - Q4.9 - Have you or people close to you ever been severely impacted by any of the following (meaning experiencing property damage, injuries, or other negative impacts)

This is getting increasingly detailed with greater and greater attention to detail required. Too much respondent burden = risks to the validity of the responses and diminished response rate

Part 5, Q5.2 - How much do you support or oppose the ACT government taking the following actions to help residents adapt to climate change?

You have lost me now – too long

You might oppose net zero emissions by 2050 because you don't believe in climate change. Or, you might oppose it because you think zero emissions (not net) should be the target instead. And the way the question is posed doesn't make your position clear. Same for 40 pc reduction by 2020. You might think it's too high, or too low.

Part 5, Q5. - About how much do you think is realistically affordable for your household to pay per year to cover these sorts of extra costs?

I find these questions kind of odd. It may help to put amounts in context if you provide some info on current government spending for various things e.g. average Australian/ACT resident pays \$x per day towards healthcare through taxes or similar pieces of information.

It is very difficult to answer these questions in the simple way that everyone should be asked how much they are prepared to stump up. I felt that more consideration should be given here to consider a wider range of options to respond to.

Hard to estimate these costs.

Part 5, Q5.5 to 5.6 - Please rate your knowledge of the following, Do you access information about climate change or environmental issues from the following groups?

You are asking too much of respondents and i'd have dropped out by now.

Would it be useful to know who they would go to in order to find out about climate change, for those who haven't already?

Add items like 'Access information via my friends', 'Books', 'Journal articles', 'having conversations with friends, family or colleagues'

Part 5, Q5.7 - Please rate the extent to which you agree with each statement. Please tick the box that indicates how you really feel, rather than how you think "most people" feel.

The subtext of this question is that "environmentally conscious" decision making is a polar opposite to "economically conscious decision making" - but often the two things can coincide. Moreover, I might choose a socially just outcome over an outcome that protects the environment, or I might try to balance the two.

Part 6, Q6.11 - Do you earn a salary or wages from any of the following industries?

Do you want to know if someone is working in environmental sciences/climate change fields?

Overall comments:

Survey is too long.

This is a very big issue that I do not feel I understand well and that I feel I can make a useful contribution to. Nevertheless, I'm prepared to give what I've got.

Introduction

Living well in the ACT with a changing climate

The Australian Capital Territory (ACT) experiences many weather extremes, having some of the coldest winters in the country, and long periods of hot weather in summers. Climate projections predict that in the future the ACT region will become warmer and drier, and that events such as drought, bushfire, storms, floods and heatwaves will happen more often. Extreme weather events affect us all. They particularly affect our most vulnerable people, however, including the very young and old, the poor and sick. Natural disasters also place significant strains on our health system and emergency services. To ensure the ACT is able to live well with a changing climate, we need to help support the resilience of all ACT residents.

The ACT Government's climate change adaptation strategy aims to support the ACT community to continue to have high living standards and a high quality of life despite expected changes in climate. To help achieve this, a better understanding is needed of how well different ACT residents are placed to cope with the effects of a changing climate.

This survey is designed to help better understand which ACT residents are more vulnerable to experiencing negative impacts from a changing climate, and how we can build resilience to the expected effects of a changing climate. By taking part in this survey, you are assisting in identifying how we can best build resilience in the ACT.

For more information about the study, including how we ensure your privacy and confidentiality, see our [survey information sheet](#).

The survey will take around 20 to 30 minutes and survey participants can enter our prize draw to win one of 7 prizes worth a total of \$2,000. Winners receive their choice of either a (this will need to be confirmed) to the following value - First prize: \$1,000; Second prize: \$500; 5 runner-up prizes of \$100.

The survey has six parts:

- **How you find living in the ACT:** This part asks about the quality of life and liveability of the ACT
- **Your health and wellbeing:** A person's health and wellbeing are important factors influencing how they cope with events such as heatwaves
- **Liveability of your home:** This part asks if you are able to keep your home at a comfortable temperature during hot and cold weather, and about your garden (if you have one)
- **Coping with changing climate:** This part asks about how your ability to cope with, and your planning for, extreme events such as heatwaves, droughts, storms and bushfires
- **Climate change:** Your views about the ACT Government's policies on climate change, and more broadly about climate change
- **About you:** This part asks for some more information about you, including things like your age, financial wellbeing, and the area of the ACT you live in.

The survey questions start on the next page.

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Part 1: How you find living in the ACT

around where I live	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are attractive natural places in this area e.g. parks, bush	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There is a high crime rate in this area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Many people in this area drink too much alcohol or abuse drugs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What are your views about how the suburb you live in and surrounding area is changing?

	Getting WORSE						Get BETTER
	1	2	3	4	5	6	7
The liveability of this area of the ACT is...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The friendliness of this area of the ACT is...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The local economy in this area of the ACT is...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The local landscape and surrounds in this area of the ACT are...	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Which of the following are the most important issues for the ACT at the moment?

Please rank the top 5 issues from 1 (most important) to 5 (less important). If you wish, you can continue ranking beyond the top 5 (there are 18 issues listed below in total).

- Infrastructure/transport e.g. roads
- Education
- Housing affordability
- Law and order
- Income inequality/poverty
- Cost of living
- Terrorism/national security
- Access to healthcare
- Taxation
- Government red tape/regulation
- Ageing population
- Climate change
- Urban intensification (increasing the density of housing/buildings in existing suburbs)
- Population growth
- Aboriginal and Torres Strait Islander rights and issues
- Environmental problems other than climate change

comfortable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pollen allergy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Poor air quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please describe) <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Part 2: Health & wellbeing

Part 2: Your health and wellbeing

The next questions ask about your health and wellbeing. We ask about this because a person's overall health and wellbeing are important factors that often affect how easily they can cope in events such as heatwaves or storms. In addition, some specific health problems may be exacerbated in some types of weather.

How would you rate your general health? *Select one*

- Excellent
- Very good
- Good
- Fair
- Poor

In the last four weeks, how often have you felt...

	None of the time	A little of the time	Some of the time	Most of the time	All of the time
Nervous?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hopeless?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Restless or fidgety?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Depressed?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
That everything was an effort?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worthless?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you are feeling distressed or need assistance, you can contact the following services for assistance, 24 hours a day: **Beyond Blue - 1300 22 4636**

Lifeline - 13 11 14

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Does your health limit you in the following activities (for example due to disability, long term health condition or old age)? If so, how much?

	Yes, limited a lot	Yes, limited a little	No, not limited at all
Vigorous activities, such as running, lifting heavy objects, participating in strenuous sports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lifting or carrying groceries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking more than one kilometer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Walking half a kilometer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General activities of self-care, mobility or communication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you personally experience the following health issues?

	Do you personally experience this health issue			<i>IF yes</i> , is this health issue typically worse during hot weather or other changes in weather such as storms?		
	Yes	No	Not sure	Yes	No	Not sure
Hay fever or pollen allergy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Asthma	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Respiratory disease (other than asthma)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heart/cardiovascular disorder or disease	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Allergic reaction to bites or stings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Food or animal allergy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Depression or anxiety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being overweight or obese	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Migraine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Think about all the vigorous and moderate activities that you did in the last 7 days. Vigorous physical activities refer to activities that take hard physical effort and make you breathe much

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Part 3: Liveability of your home

Part 3: Liveability of your home

This section asks how comfortable your home is during both hot and cold weather, and the types of systems installed to help you keep your home at a comfortable temperature.

How do you find heating and cooling your home?

	Strongly DISAGREE						S A
	1	2	3	4	5	6	
My home warms up very fast in hot weather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
When the temperature outside drops after a hot day, my home cools down quickly (without use of air conditioning)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
In summer, I use air conditioning/cooling in my home most days	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
In winter, I use heaters in my home most of the time I am home	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
I can easily afford to keep my home cool in summer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
I can easily afford to keep my home warm in winter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Increases in costs of electricity or gas in recent years have been hard for my household to cope with	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

In the last 12 months, about how much did your household spend on electricity and gas bills (in total, combining both types of expense)? *Select one.*

▼

Do you have any of the following at your residence?

	Yes	No	Not sure
Evaporative cooling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air conditioning in one or two rooms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air conditioning ducted to most rooms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Roof insulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	I already do this or have done this	I don't do this and don't want to	I would like to do this but am unable to	I'm willing to do this in the next year or two	I'm willing to do this, but not for at least another couple of years	Don't know
Invest in solar panels on your residence	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Invest in battery storage for solar energy at your residence	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase use of public transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase use of cycling or walking instead of a car	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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You said you would like to **Invest in additional insulation at your home (e.g. in roof, walls)** but are unable to. To what extent are the following barriers that prevent you doing this?

	Not a Barrier	SMALL Barrier	1	2	3	4	5	6
I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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You said you would like to **Invest in double or triple glazed windows at your home** but are unable to. To what extent are the following barriers that prevent you doing this?

	Not a Barrier	SMALL Barrier	1	2	3	4	5	6
I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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You said you would like to **Invest in external awnings or shutters at your home** but are unable to. To what extent are the following barriers that prevent you doing this?

	Not a Barrier	SMALL Barrier	1	2	3	4	5	6
I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to

I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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You said you would like to **Purchase more energy efficient heating or cooling system at your home** but are unable to. To what extent are the following barriers that prevent you doing this?

	Not a Barrier	SMALL Barrier	1	2	3	4	5	6
I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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You said you would like to do but are unable to **Purchase a car that is highly fuel efficient**. To what extent are the following barriers that prevent you doing this?

Not a Barrier	SMALL Barrier	1	2	3	4	5	6
---------------	---------------	---	---	---	---	---	---

I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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You said you would like to **Invest in solar panels on your residence** but are unable to . To what extent are the following barriers that prevent you doing this?

	Not a Barrier	SMALL Barrier	1	2	3	4	5	6
I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

You said you would like to **Invest in battery storage for solar energy at your residence** but are unable to. To what extent are the following barriers that prevent you doing this?

	Not a Barrier	SMALL Barrier	1	2	3	4	5	6
I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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You said you would like to **Increase use of public transport** but are unable to. To what extent are the following barriers that prevent you doing this?

	Not a Barrier	SMALL Barrier	1	2	3	4	5	6
I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to

understand or answer.

You said you would like to **Increase use of cycling or walking instead of a car** but are unable to. To what extent are the following barriers that prevent you doing this?

	Not a Barrier	SMALL Barrier	1	2	3	4	5	6
I can't afford to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am not allowed to do this at my residence (e.g. you are renting, body corporate won't permit it)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can afford to do this but other things are higher priorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have the information or advice I need to do this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't have time to organise doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have health problems or a disability that prevent me doing this	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find doing this difficult or challenging	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There's no feasible options for me to do this (e.g. no buses at the right times, cycling is not practical due to a need to transport goods for work)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Do you have any of the following at your home, or access a community garden in your local area?

	Yes	No	N/A
Back yard garden	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Front yard garden	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Courtyard with plants (including in pots) or lawn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Balcony area used to grow plants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Community garden plot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Stay inside and use air conditioning/ evaporative cooling/ fan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drink more water than usual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Avoid strenuous activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go to a swimming pool	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go to a cinema/shopping centre	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go to a local park/nature area/lake	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go to the gym	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stay at work extra hours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Travel to visit or stay in a cooler location away from Canberra	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go for a drive in an air conditioned car	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change the type of exercise you do e.g. go for a swim instead of a walk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Change the time you undertake exercise e.g. walk earlier in the morning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hydrate more during exercise than usual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Find a shady or cool place outside to spend time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please describe)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="text"/>									

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

If you are currently working, we'd like to know a little more about planning for events such as heatwaves in your workplace.

If you are not currently working, please go to the next page.

	Yes	No	Not sure
I have attended a training course that covers the prevention of heat-related illnesses at work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My workplace has guidelines for working during very hot weather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I'd like more training and guidance at my workplace about working in very hot weather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am satisfied with the measures currently used in my workplace for reducing risk of heat illness in very hot weather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am able to adjust my working conditions as needed to cope during very hot weather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The next questions ask about your past experiences of hot weather

	No	Yes, a little/once or twice	Yes, a lot/many times	Not sure
Have you ever experienced a heat illness (such as, heat exhaustion or heat stroke, heat rashes, etc.)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do you find you are less social than usual during times of very hot weather?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
On very hot days, do you often find yourself feeling more irritable?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do you usually find it difficult to sleep on very hot nights?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In times of hot weather, have you experienced other people being more angry or aggressive?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do you exercise less than usual during very hot weather?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Do you drink more alcohol during hot weather (i.e. beer, wine, spirits)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Preparing for extreme weather events

The next questions ask about your preparation for extreme weather events. Preparedness is an important part of coping well when events such as storms or fire occur. Please answer the questions based on what you currently do, even if you think this means you are under-prepared for these events, as this information is important for understanding how well ACT residents are currently prepared and whether additional investment may be needed in assisting residents to improve preparedness.

Is your home in a bushfire risk zone or flood zone?

	Yes	No	Not sure
My home is in a bushfire prone area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My home is in a flood prone area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you have insurance coverage for your home and contents for the following types of event?

climate change could directly affect me

The actions of any one person can't really help address climate change

How much do you support or oppose the ACT government taking the following actions to help residents adapt to climate change?

	Strongly OPPOSE 1	2	3	4	5	6	Strongly SUPPORT 7
Providing free advice to help people make their homes more energy efficient	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide incentives to help people make their homes more energy efficient (e.g. rebates on investment in energy saving devices)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gradually introduce new building regulations to make new buildings more energy efficient and comfortable in hot and cold weather	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Demonstrate and promote new energy technologies, such as renewable energy technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Invest in infrastructure to support use of electric vehicles, e.g. charging stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improve public transport options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Invest in improving cycle paths around Canberra	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

If the ACT Government wanted to further reduce the carbon emissions for the ACT it would need to invest in new infrastructure and technologies.

About how much would you say is realistically affordable for your household to pay per day to cover these sorts of costs?

About how much do you think is realistically affordable for your household to pay per year to cover these sorts of extra costs?

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Please rate your knowledge of the following

	No knowledge 1	2	3	4	5	6	Very high knowledge 7
Environmental issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reducing greenhouse gas emissions (‘mitigation’ of climate change)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preparing for future climate impacts (‘adaptation’ to climate change)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Do you access information about climate change or environmental issues from the following groups?

			How much do you trust information from this group on climate change?						
	Yes	No	Low trust 1	2	3	4	5	6	High trust 7
ACT Government	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
University researchers or articles on The Conversation produced by researchers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ABC radio or TV	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Australian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Canberra Times	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Online news sites e.g. Huffington Post, news.com.au	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social media news e.g. Facebook news feed, information shared online by friends	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial radio e.g. Mix 106.3, 104.7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conservation Council ACT or member groups such as Landcare, Frogwatch, Friends of the Botanic Gardens	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Canberra Environment Centre	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electricity and gas companies e.g. ACTEW AGL	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commercial TV programs e.g. A Current Affair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Please rate the extent to which you agree with each statement.

Please tick the box that indicates how you really feel, rather than how you think "most people" feel.

	Strongly DISAGREE	1	2	3	4	5	6	Strongly AGREE
Too much time and attention is given to environmental issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I value protecting the environment, but it is not a priority for me personally	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I try to make environmentally conscious decisions when it is affordable and easy to do so	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I try to make environmentally conscious decisions even when they are expensive or inconvenient	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I shape all the decisions and actions I take based on their impacts on the health of the environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Part 6: About you

Part 6: About you

We'd like to know a bit about you and your household. This information helps us understand if particular groups usually have higher or lower wellbeing, or are particularly vulnerable.

Do you identify as...

Select one

- Female
- Male
- Other e.g. gender fluid, inter-gender, or don't identify with a gender
- Prefer not to answer

How old are you?

▼

How would you describe yourself?

Select one

- Australian-born

- Born overseas in an English speaking country e.g. U.K., New Zealand
 - Born overseas in a non-English speaking country e.g. China, France
-

Are you of Aboriginal or Torres Strait Islander origin?

Select all that apply

- No
 - Yes, Aboriginal
 - Yes, Torres Strait Islander
-

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Who lives in your household at the moment?

Total number of people, including yourself:

▼

Number of children aged under 15:

▼

Number of children aged 15 or over who are financially dependent on their parents:

▼

Which best describes you at the moment?

Select one

- Single
 - Married or de facto
 - Divorced or separated
 - Widowed
-

Have you completed any of the following formal qualifications?

Select ALL that apply

- Year 12 of high school or equivalent
 - Certificate or diploma from TAFE
 - University degree (undergraduate or postgraduate)
 - None of these
-

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Which of the following describes your situation right now?

Select ALL that apply

- Retired
- Unpaid carer (part or full time)
- Self-employed
- I have full-time paid work
- I have part-time paid work
- I have casual paid work
- Unemployed & looking for paid work
- Studying part-time or full-time
- Other (please specify)

Do you earn salary or wages from any of the following industries?

Select all that apply

- | | |
|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> ACT Government <input type="checkbox"/> Commonwealth Government <input type="checkbox"/> NSW Government <input type="checkbox"/> Building / construction <input type="checkbox"/> Retail or hospitality <input type="checkbox"/> Education <input type="checkbox"/> Health, healthcare, social services <input type="checkbox"/> Building/construction | <ul style="list-style-type: none"> <input type="checkbox"/> Agriculture, forestry, fishing <input type="checkbox"/> Mining <input type="checkbox"/> Manufacturing <input type="checkbox"/> Tourism <input type="checkbox"/> Transport <input type="checkbox"/> Professional services e.g. banking, legal, accounting <input type="checkbox"/> Other, please describe <input style="width: 150px;" type="text"/> |
|--|--|

How would you describe your work?

Please list your job/s e.g. policy advice, truck driver, sales, teacher

Job type/s:

Is your workplace environment ...

Select one

- Completely indoors
- Mainly indoors
- Mainly outdoors
- Completely outdoors

Is your job physically demanding (e.g. involves lifting or moving heavy or awkward objects, or significant physical exertion)

- Not at all
 A little
 Moderately
 Very much
 It varies
-

Do you work around heat sources such as in a kitchen, furnaces or welding?

- No
 Yes, some of the time
 Yes, all the time
-

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Where do you live?

If you live in more than one place, please put in your primary residence

Suburb, town, village or locality:

Postcode you live in:

Do you have more than one residence?

- Yes
 No
-

Do you live in an urban area, a rural town, or on a rural or semi-rural property?

If you live in more than one place, e.g. one during the week and another on weekends, select all that apply

- Suburban/urban area (e.g. Canberra or Queanbeyan suburbs)
 Peri-urban area (on the fringe of a city)
 Rural town (e.g. Cooma, Yass, Braidwood)
 Rural residential or hobby farming property
 Rural property used for farming (other than hobby farming)
 Rural property used for other purposes
-

What sort of dwelling do you live in?

- House
- Townhouse
- Unit/apartment
- Student hall or residence
- Aged care residence
- Other (please describe)

What distance do you typically travel to get from your home to your workplace?

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

How many years have you lived in the ACT? Include the total time, even if you've shifted houses within the ACT

Years:

How likely are you to shift away from the ACT in the next 12 months?*Select one*

- Very unlikely
- Unlikely
- Neither likely nor unlikely
- Likely
- Very likely
- Don't know

In 2015-16, about how much was your household income before tax? *Select one*

This includes income earned by everyone in your household. Include income from government pensions, investments/dividends, and paid work. The categories below may look odd – they let us compare our survey results to those from the national census, so we can't change them.

Given your current needs and financial responsibilities, would you say that you and your family are...*Select one*

- Very poor
 - Poor
 - Just getting along
 - Reasonably comfortable
 - Very comfortable
 - Prosperous
-

In the last year, did any of the following happen to you because you didn't have enough money?

Select all that apply

- Had to delay or cancel non-essential purchases e.g. holiday, going to a restaurant or movie, buying clothes
 - Could not pay bills on time e.g. electricity, rent, gas
 - Went without meals, or was unable to heat or cool home
 - Asked for financial help from friends or family
 - None of these
-

If you were to face a \$2,000 unexpected expense in the next month, would you use any of the following methods to get the funds you need?

Select all that apply

- I would not be able to raise this amount of funds
 - I would use my savings
 - I would put it on my credit card
 - I would get a short-term loan from a financial institution
 - I would borrow from family or friends
 - I would pawn or sell some belongings e.g. car, computer, TV
 - I would delay paying for other items e.g. mortgage, bills
 - I would work additional hours to earn more money
 - I would ask for help from a charity organisation
 - Other
-

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.

Thank you for completing the survey

If you would like to be told when results of the study are available, or participate in future research, please complete the information below.

Do you want to participate in future research?

If you tick yes, we'll let you know when opportunities come up, but you're under no obligation to take part in them

- Yes
 No
-

Do you want to enter the prize draw? This will need to be confirmed and modified

(Terms and conditions of entry into the prize draw: *Entry into the lottery is determined by the completion of a survey on "Living well in the ACT with a changing climate"; promoted by emails. Everyone who completes the survey online at **Domain NAME HERE** will be eligible to enter the prize draw for one of 7 prizes. Winners will have their choice of a Flight Centre, Coles-Myer, WISH or Bunnings gift card, to the following value: First prize: \$1,000; Second prize: \$500; 5 runner-up prizes of \$100. Entries for this competition open on **DATE TBC 2017** and close **DATE TBC 2017**. The prize draw will happen on **DATE TBC 2017** at the Centre for Research and Action in Public Health, Building 22B, University of Canberra, University Drive South, Bruce, ACT, 2617, at 5pm. The winner will be notified in writing, by email or mail, by **DATE TBC 2017** and listed on www.regionalwellbeing.org.au on **DATE TBC 2017**. Gift cards will be posted to winners by registered post. The minimum age of prize draw participants is 18 years. Survey promoter: University of Canberra. Contact agent: Dr Jacki Schirmer, Associate Professor, University of Canberra, Building 22B, University Drive South, Bruce ACT 2617, ABN 81 633 873 422. Phone 1800 981 499. Any prize redraw will occur three months after the first draw so as to give winners sufficient time to collect their prize. The prize redraw will happen **DATE TBC 2017** at 5pm at the same location as the original draw. The winner from the redraw will be notified by **DATE TBC 2017** and listed on www.regionalwellbeing.org.au, and in *The Advertiser* newspaper on March 16th 2017. The winner from the redraw will be notified in writing, by email or mail, and all gift cards won at the redraw will be posted by registered post. The Licence No ACT TP **TBC (ACT)**)*

- Yes
 No
-

Do you want to be notified when results of this survey are available?

- Yes
 No
-

As you indicated you either wish to be notified when results are available, enter the prize draw or be notified about future research, please complete the details below.

These details will be securely stored separately to your survey response.

Name:	<input type="text"/>
Email address:	<input type="text"/>
Address:	<input type="text"/>
Suburb/Town/City:	<input type="text"/>
Postcode	<input type="text"/>
State:	<input type="text"/>

Pilot test participants - please comment on any aspects you think could be changed/improved on this page, particularly any areas where the content was difficult to understand or answer.





ACT
Government

Environment, Planning and
Sustainable Development

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MINISTERIAL BRIEF

To: Minister for Climate Change and Sustainability

Tracking No.: 17/29098

09 NOV 2017

Rec'd Minister's Office .../.../...

From: Director-General
Deputy Director-General

Subject: ACT Climate Change Adaptation Strategy Implementation Survey

Critical Date: Routine

Critical Reason: To enable the survey fliers to be printed and distributed.

Purpose

To inform you about the imminent commencement of a series of snapshot surveys (action #27) as part of the ACT's Climate Change Adaptation Strategy.

Recommendations

That you note the information contained in this brief.

Noted / Please Discuss

Shane Rattenbury MLA

2/1/18

Minister's Office Feedback

Empty rectangular box for Minister's Office Feedback.

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Background

1. The ACT Climate Change Adaptation Strategy's (Adaptation Strategy) action #27 Monitoring and Evaluation, requires undertaking a longitudinal community survey to gauge community attitudes and measures of vulnerability to climate impacts, and thereby establish a baseline about community resilience to these impacts.
2. This survey would be repeated in 2020 and thus help gauge the effectiveness of adaptation actions and inform future work. In accordance with the Adaptation Strategy, this project is due for delivery by end 2017.
3. Following a request for quote process, Dr Jacki Schirmer, Associate Professor, Health Research Institute & Institute for Applied Ecology from the University of Canberra (UC) and her team were engaged to develop and conduct the survey.
4. Dr Schirmer is one of Australia's leading professionals in this field and was highly recommended by the Health Directorate for her understanding of the conjunction between population health and the environment. In 2014-15 her team undertook a similarly extensive survey for the Water Policy team in Environment, Planning and Sustainable Development Directorate's (EPSDD) Environment Division.

Issues

5. As this action necessitates contacting the ACT community, this brief is to advise you on this process and related progress on Adaptation Strategy action #27.
6. The survey is to be undertaken online over a four week period from November, closing by mid December 2017. Refer to survey at [Attachment A](#). Note that the format (as a word document) is not how it will appear on-line, and there are questions in this version that are 'drop-down' depending on answers to questions.
7. The survey is necessarily long to understand different aspects of how ACT residents perceive, experience, adapt to or mitigate the anticipated impacts of climate change.
8. The survey has been pilot tested and is following a standard methodology. The target number of respondents is over 1200 ACT residents.
9. A draft postcard has been prepared for dissemination to a random sample of households across the ACT. The postcard at [Attachment B](#), once finalized, will be delivered by the project team at UC.
10. You will be briefed on the results of the survey once completed.

Financial Implications

11. There are no financial implications arising from this brief. The consultancy is being funded from existing resources.

ConsultationInternal

12. The EPSDD communications team is aware of the survey.

Cross Directorate

13. The Health Directorate was consulted early in the process.

External

14. No external consultation has been done other than pilot testing by the University of Canberra.

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Benefits/Sensitivities

15. The ACT Government is at 'arm's length' from this survey as it is being done with full ethics approval by University of Canberra.
16. There has been some critique of the survey length. However the questions have been refined by the team to ensure they enable community resilience factors to be measured and repeated over time.

Media Implications

17. A draft media release is attached at Attachment C.
18. Publicity of the survey and a household flier mail-out by the University of Canberra team will commence in early November.

Signatory Name:	Antonio Mozqueira	Phone:	54820
Action Officer:	Catherine Keirnan	Phone:	71791

DISTINCTIVE BY DESIGN

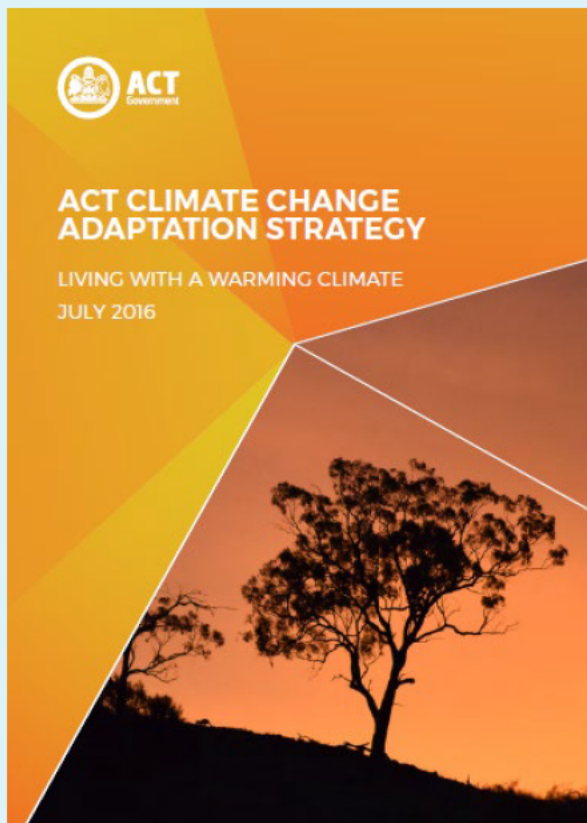


ACT LONGITUDINAL SURVEY ON CLIMATE CHANGE: Understanding climate change adaptation and resilience

May 31, 2018

Jacki Schirmer, Brigitta Yabsley & Ivan Hanigan
Health Research Institute & Institute for Applied Ecology
University of Canberra

OBJECTIVE: ESTABLISH SURVEY ON CLIMATE CHANGE RESILIENCE



Key questions:

- Who is more/less resilient to effects of climate change?
- Who is more/less able to adapt successfully?
- What actions can best build resilience?

Tracking over time:

- Who has adapted more/less successfully?
- Were investments in adaptation successful?

Actions for Monitoring and Evaluation

Actions by end 2017

27. Monitoring and evaluation framework

Measure resilience as an outcome of successful adaptation, including:

- a. establishing a longitudinal community survey (commencing in 2016 and repeated in 2020)
- b. measurable and repeatable indicators to evaluate resilience across community sectors.

SURVEY

Platform:

- Online survey

Region:

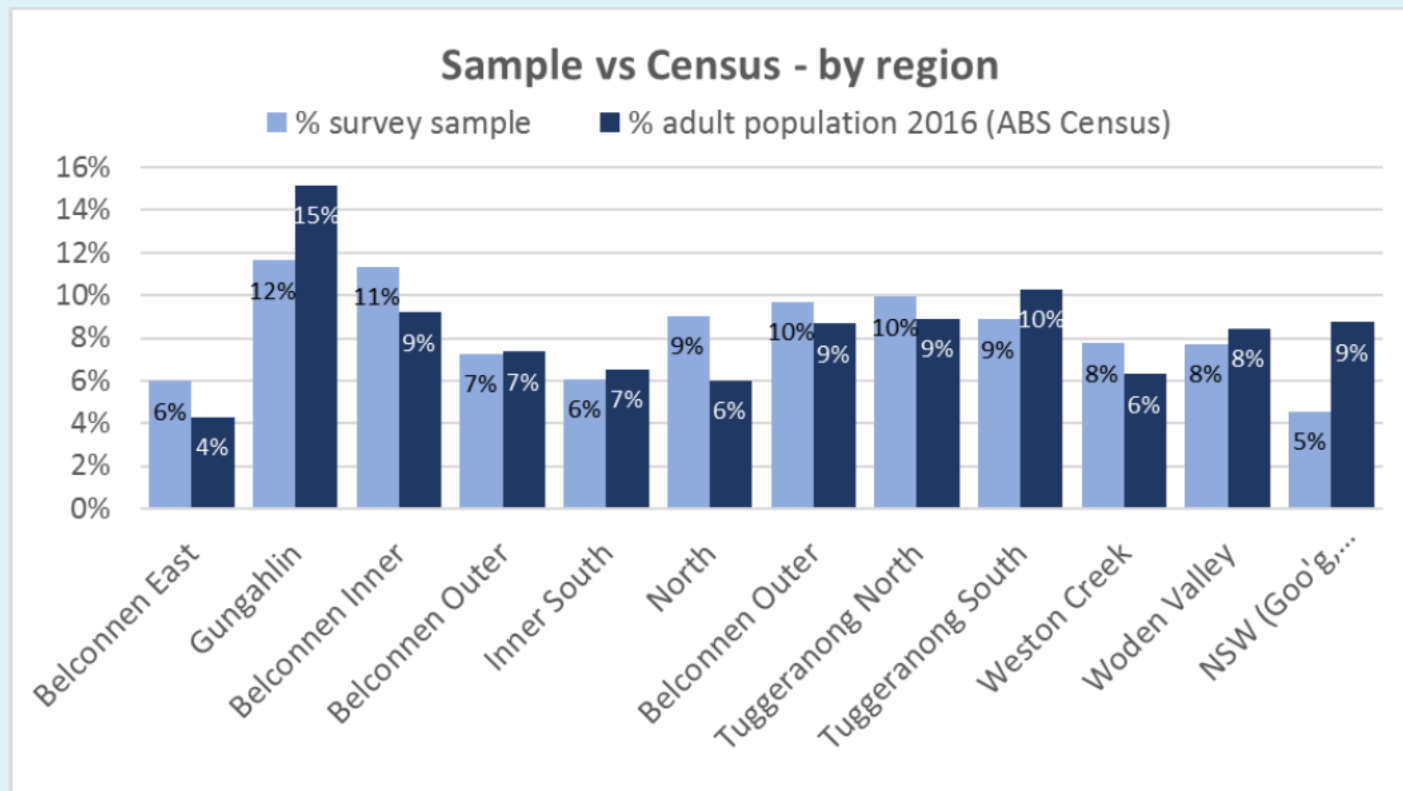
- ACT, nearby NSW

Recruitment:

- existing database
- social media ads
- flyers

Sample achieved:

- 2,671 responses
- good sample from different regions, demographic groups



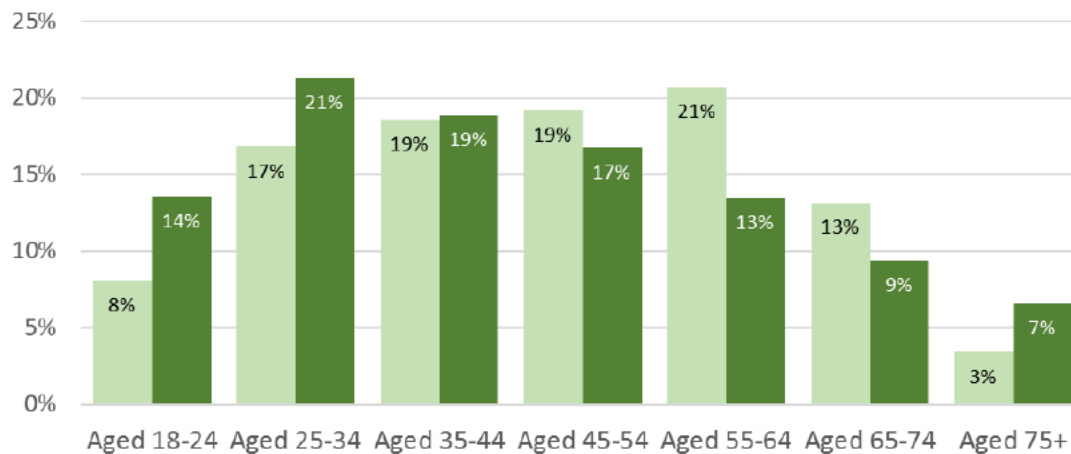
ENSURING REPRESENTATIVENESS

All data weighted to be representative of adult population



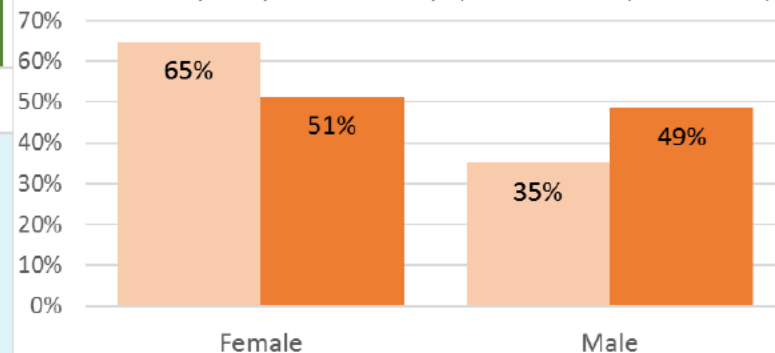
Sample vs Census - by age

■ % survey sample ■ % adult population 2016 (ABS Census)



Sample vs Census - gender

■ % survey sample ■ % adult population 2016 (ABS Census)



RESILIENCE AND ADAPTATION PROCESSES

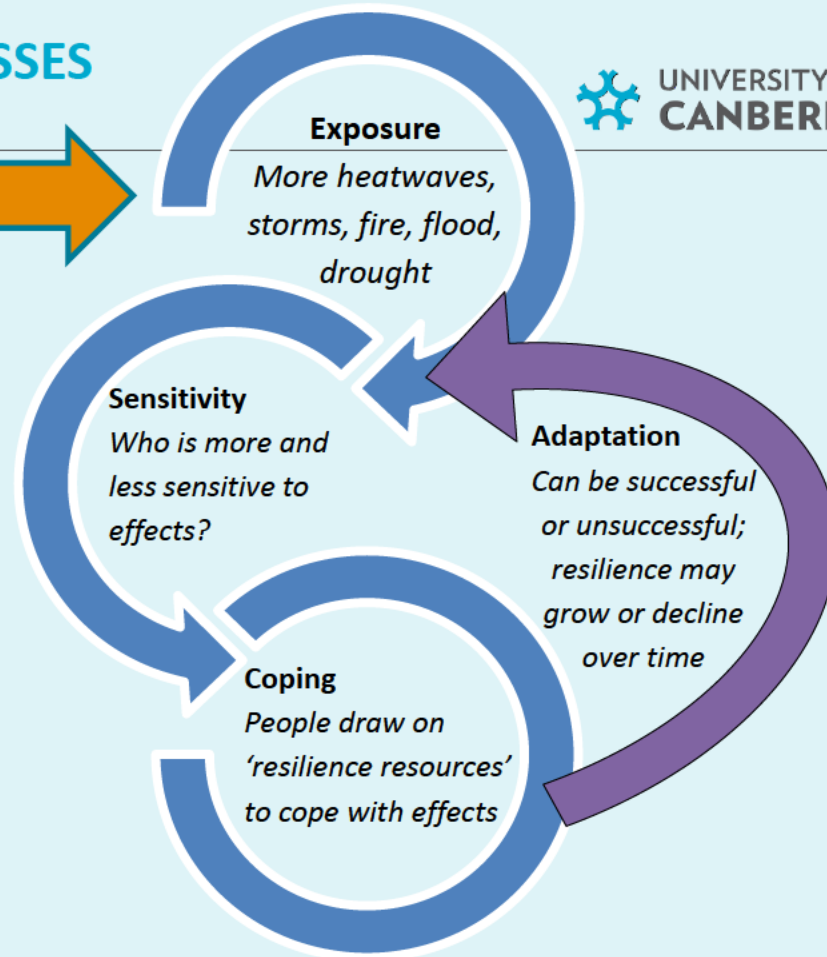
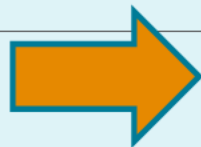
Resilience to heatwaves
(health, residence, work, refuges, coping strategies)

Resilience to storms, floods, bushfire
(risk awareness, preparedness)

Resilience to water scarcity
(water usage, gardening identity)

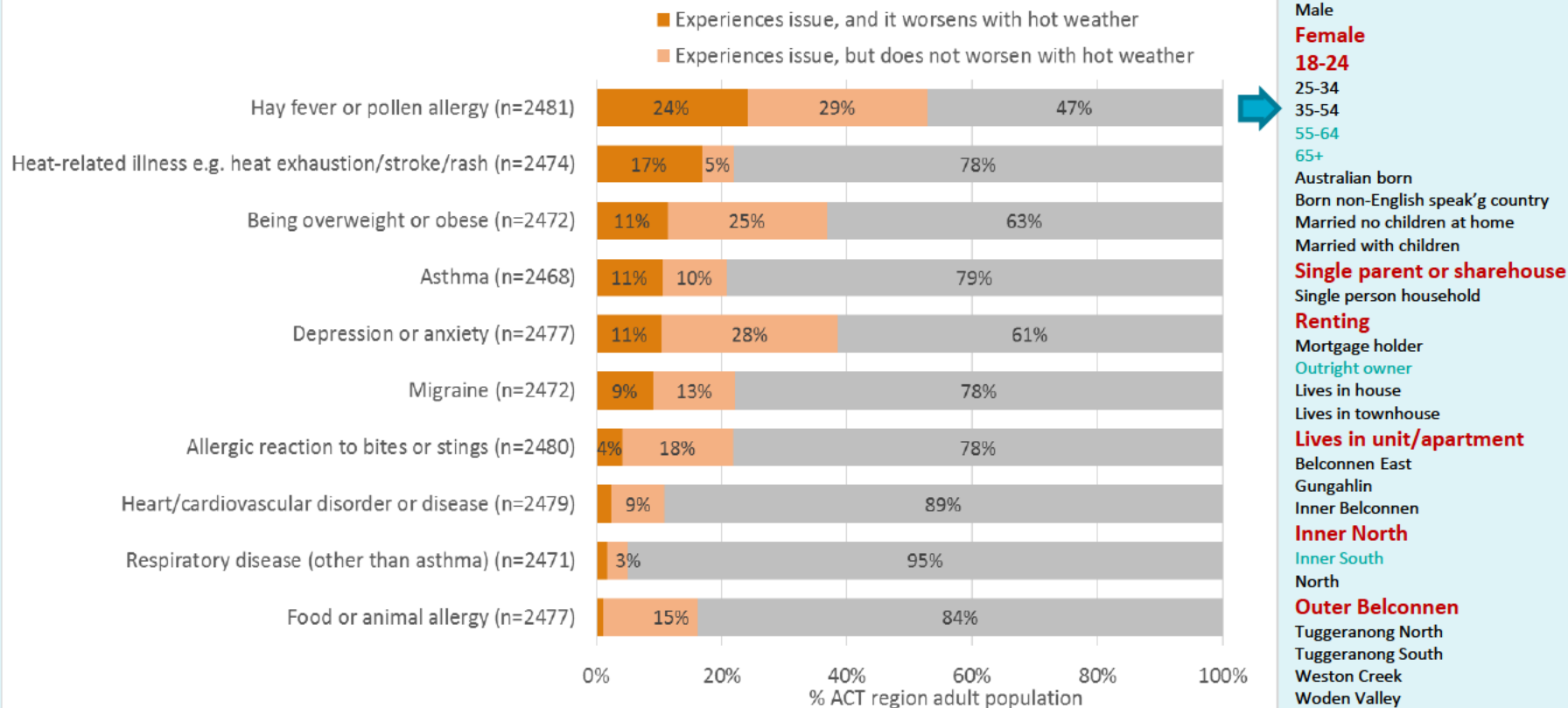
Climate change views and actions
(views about climate change, adaptation, policy)

Access to resilience resources
(access to human, financial, social, community resources)



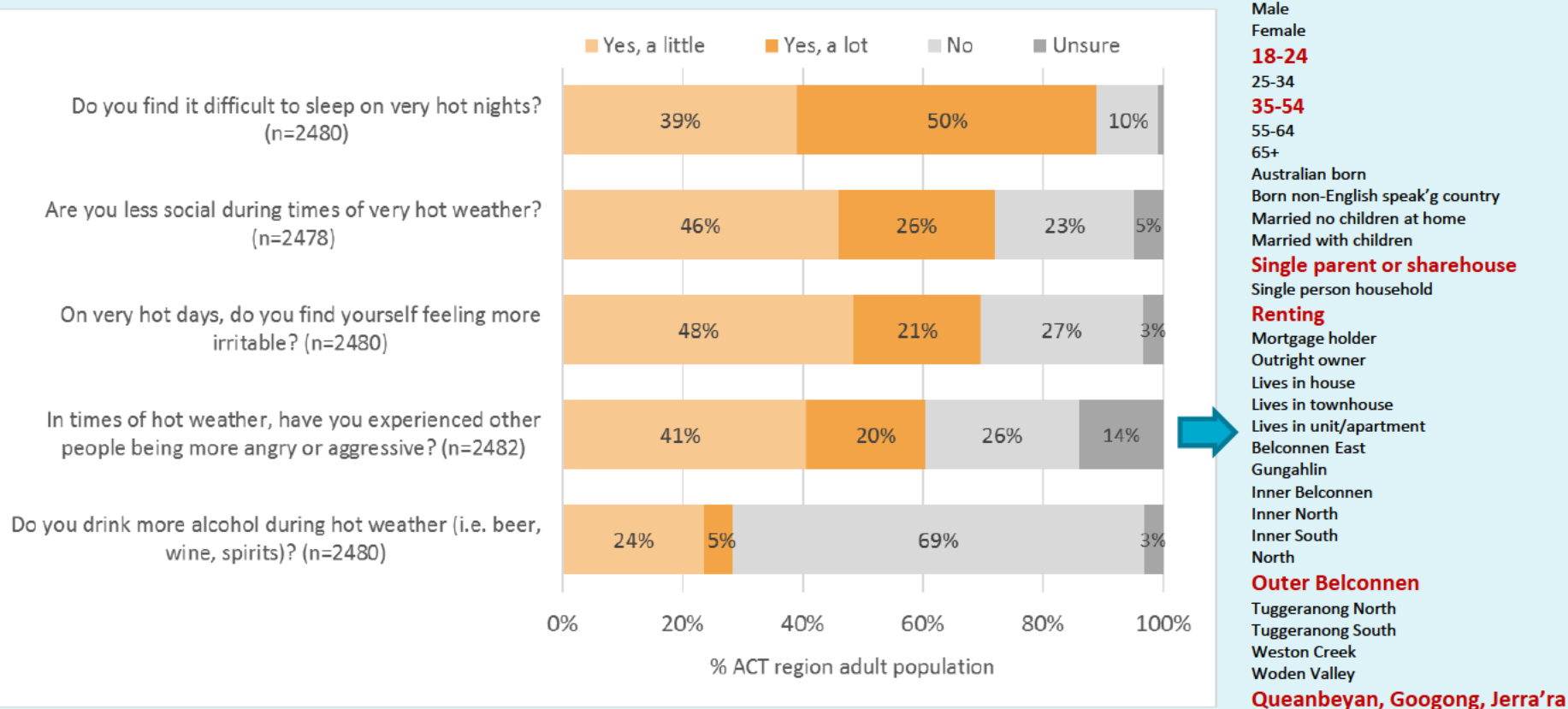
Resilience to heatwaves

Health-related sensitivity – health issues that worsen in hot weather



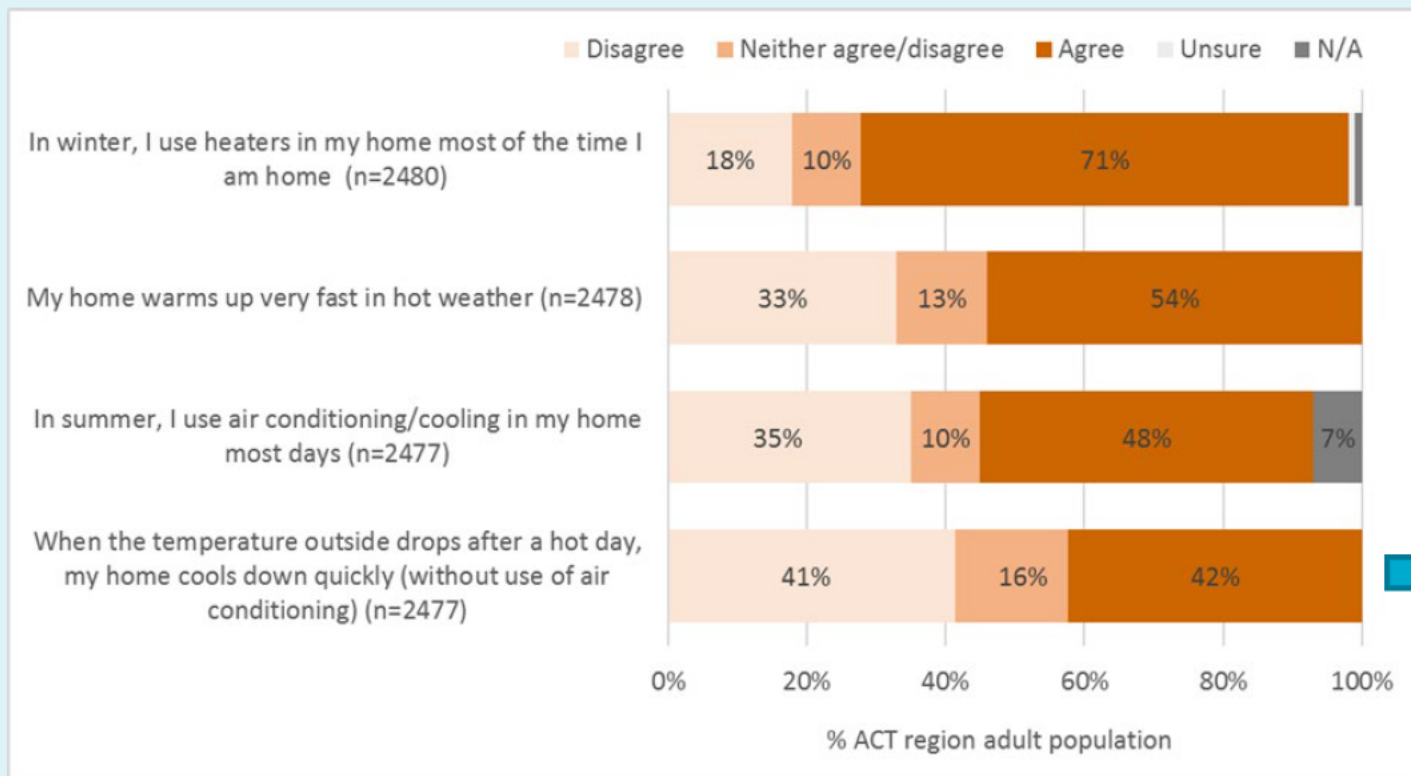
Resilience to heatwaves

Social health – issues that worsen in hot weather



Resilience to heatwaves

Residential infrastructure – fit for purpose in heatwaves?



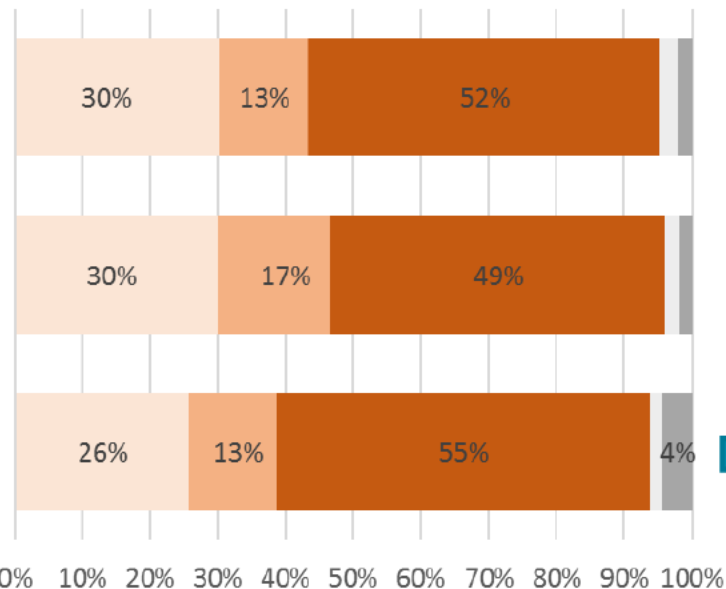
Male
 Female
 18-24
25-34
 35-54
 55-64
 65+
 Australian born
 Born non-English speak'g country
Married/defacto no children at home
 Married with children
 Single parent or sharehouse
 Single person household
Renting
 Mortgage holder
 Outright owner
 Lives in house
 Lives in townhouse
Lives in unit/apartment
Belconnen East
 Gungahlin
 Inner Belconnen
 Inner North
 Inner South
 North
Outer Belconnen
 Tuggeranong North
 Tuggeranong South
 Weston Creek
 Woden Valley
Queanbeyan, Googong, Jerra'ra

Resilience to heatwaves

Financial vulnerability

Disagree Neither agree or disagree Agree Unsure N/A

Increases in costs of electricity or gas in recent years have been hard for my household to cope with (n=2473)

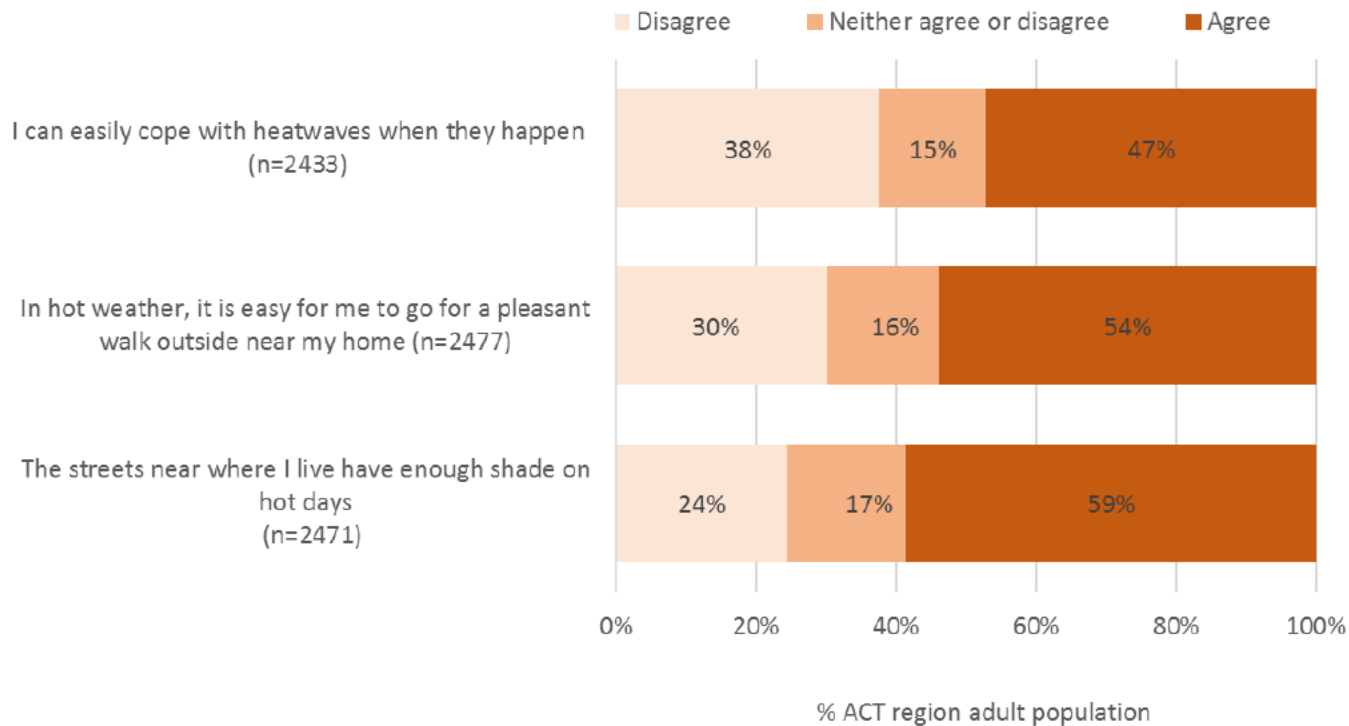


% ACT region adult population

Male
Female
18-24
25-34
35-54
55-64
65+
Australian born
Born non-English speak'g country
Married no children at home
Married with children
Single parent or sharehouse
Single person household
Renting
Mortgage holder
Outright owner
Lives in house
Lives in townhouse
Lives in unit/apartment
Belconnen East
Gungahlin
Inner Belconnen
Inner North
Inner South
North
Outer Belconnen
Tuggeranong North
Tuggeranong South
Weston Creek
Woden Valley
Queanbeyan, Googong, Jerra'ra

Resilience to heatwaves

Coping in heatwaves



Male
Female
18-24
25-34
35-54
55-64

65+ Overly high confidence in coping

Australian born
Born non-English speak'g country
Married no children at home
Married with children
Single parent or sharehouse
Single person household
Renting
Mortgage holder
Outright owner
Lives in house

Lives in townhouse (walk outside)

Lives in unit/apartment
Belconnen East

Gungahlin

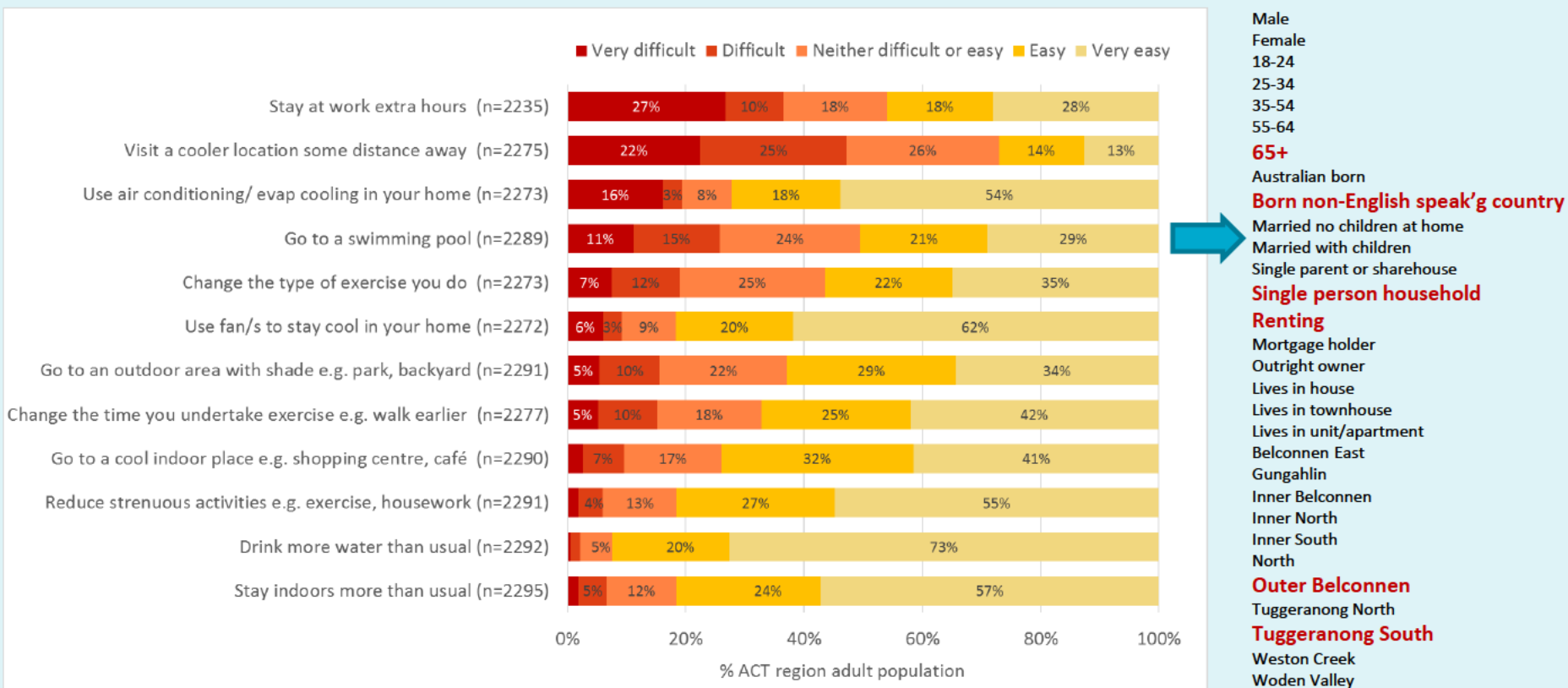
Inner Belconnen
Inner North
Inner South
North

Outer Belconnen
Tuggeranong North
Tuggeranong South
Weston Creek
Woden Valley

Queanbeyan Googong Jerra'ra

Resilience to heatwaves

Access to coping strategies in heatwaves



Resilience to heatwaves

What our final report will show...

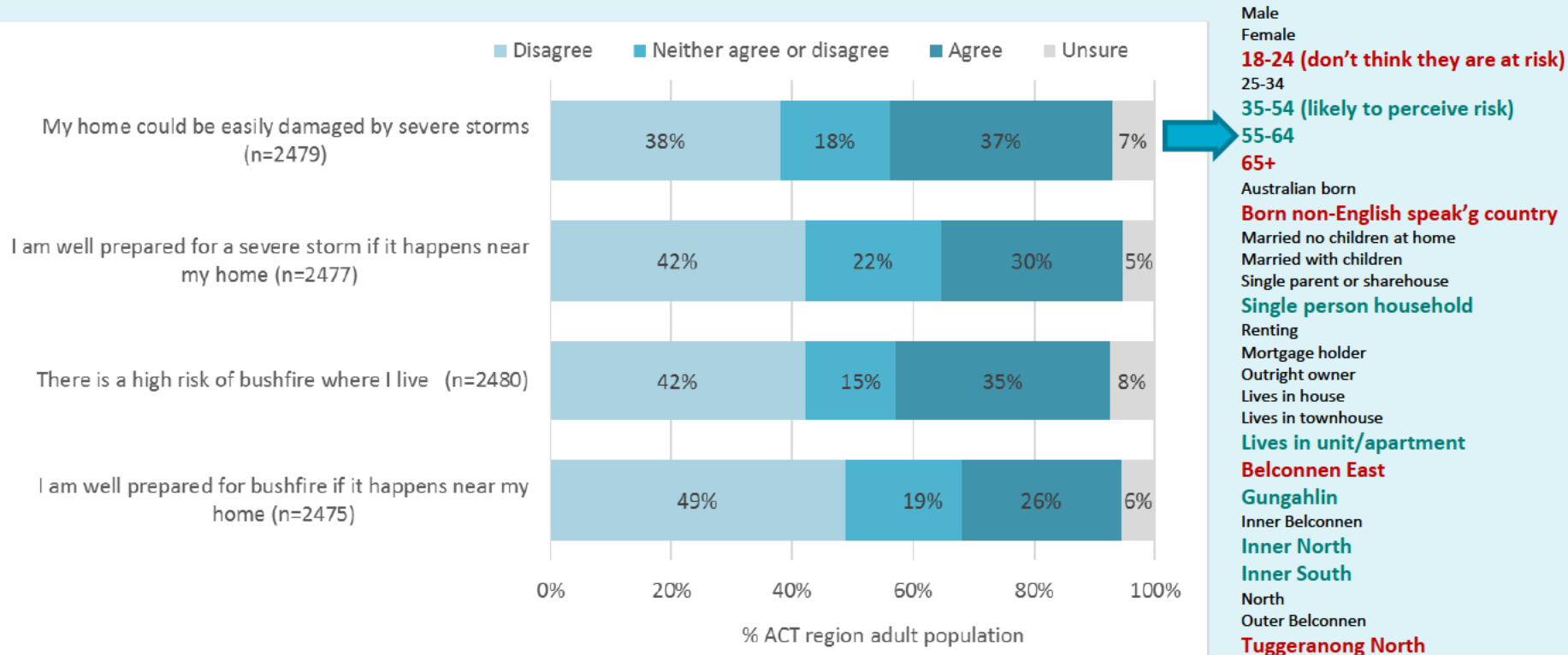
Overall heatwave vulnerability and resilience rating for different groups & regions

Specific vulnerabilities of different groups

- Younger people: Poor infrastructure; exposure to anti-social behaviour; hayfever/pollen allergy
- Outer Belconnen: Lack of access to heat refuges
- Gungahlin: Lack of shaded areas to maintain exercise
- Older people: Reduction in activity, less access to some heat refuges

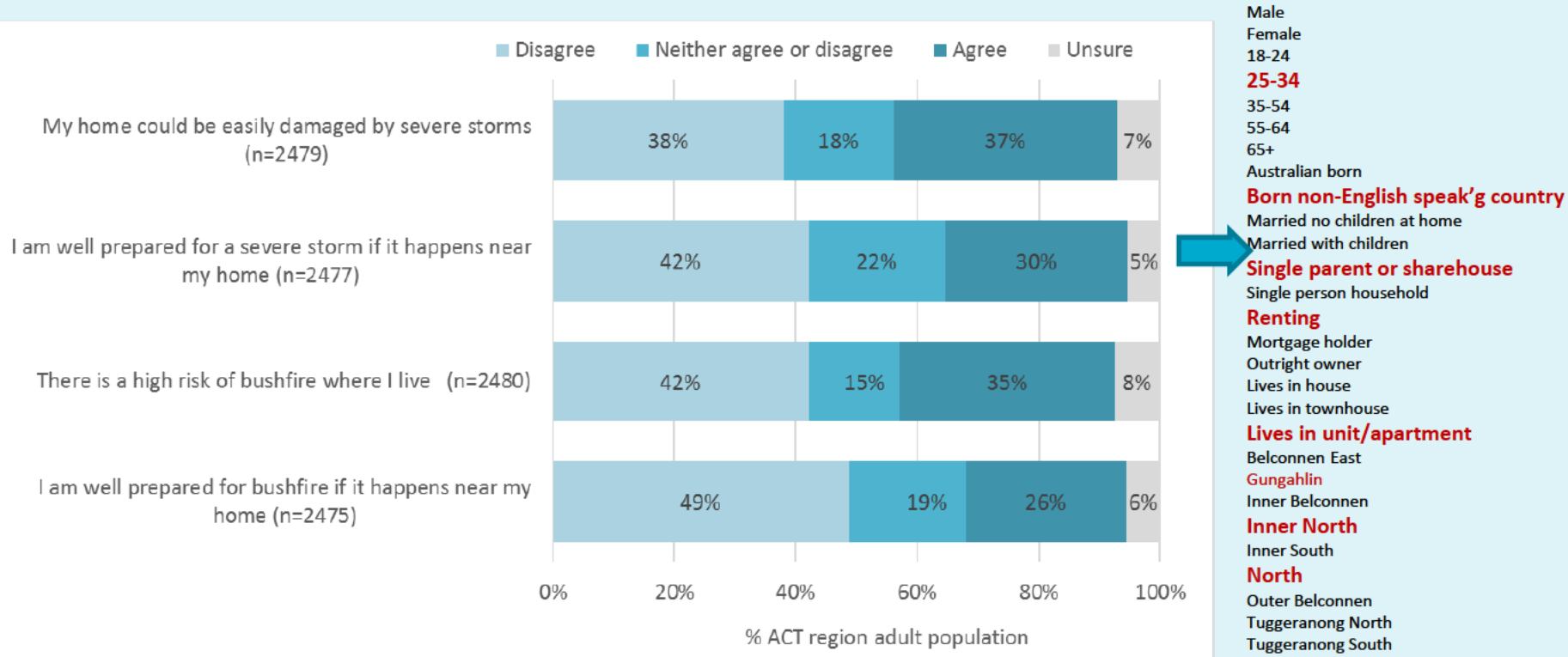
Resilience to storms, flood, bushfire

Risk perception



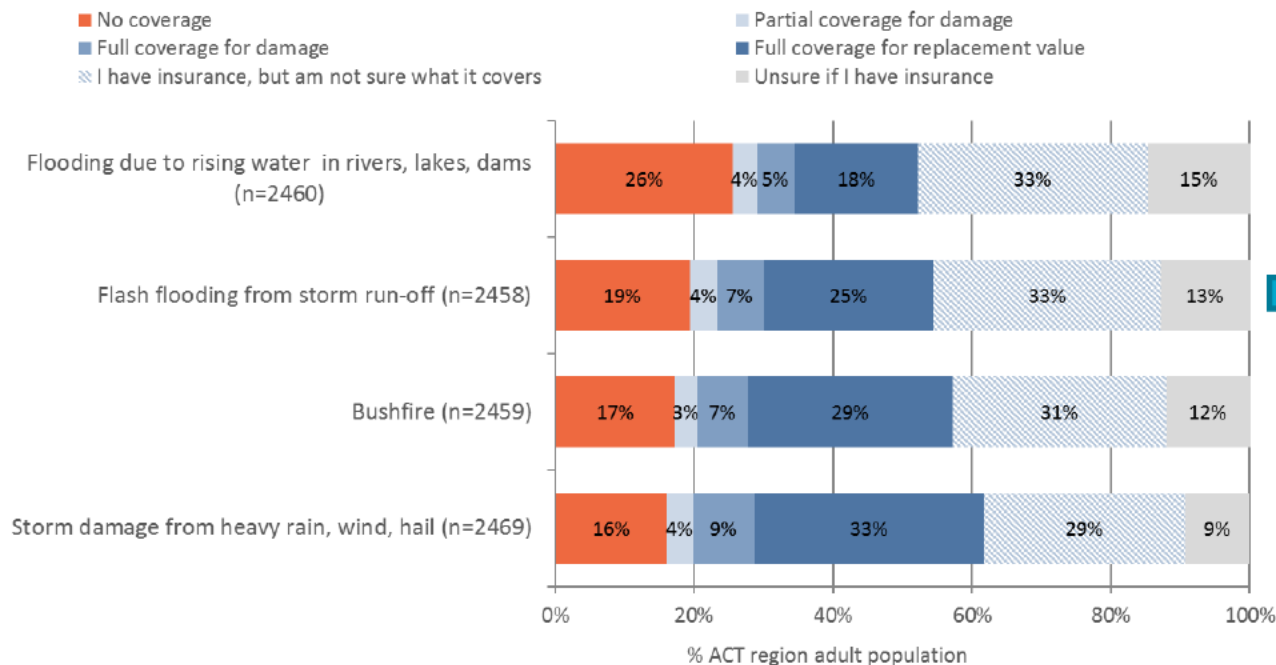
Resilience to storms, flood, bushfire

Risk perception



Resilience to storms, flood, bushfire

Preparedness - insurance



Male
Female

18-24

25-34

35-54

55-64

65+

Australian born

Born non-English speak'g country

Married no children at home

Married with children

Single parent or sharehouse

Single person household

Renting

Mortgage holder

Outright owner

Lives in house

Lives in townhouse

Lives in unit/apartment

Belconnen East

Gungahlin

Inner Belconnen

Inner North

Inner South

North

Outer Belconnen

Tuggeranong North

Tuggeranong South

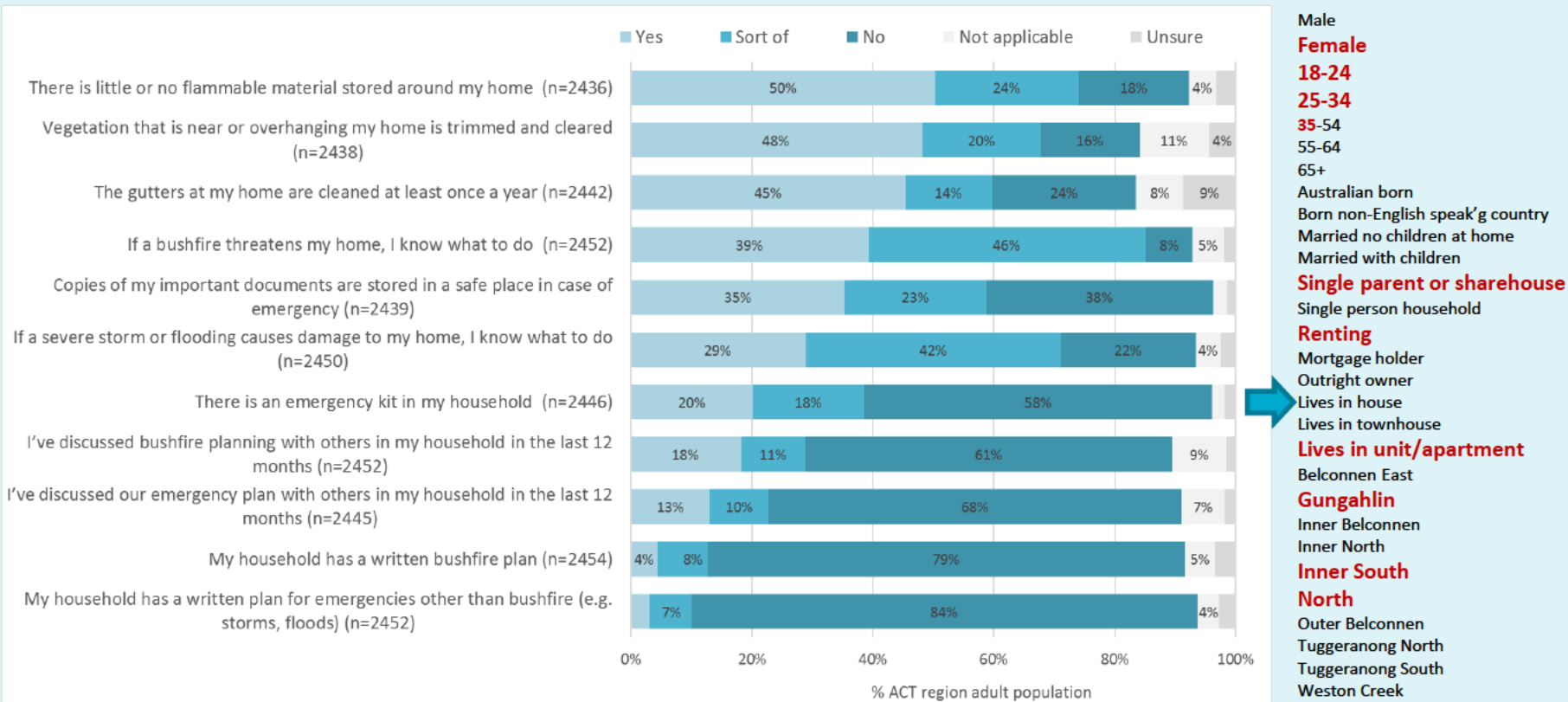
Weston Creek

Woden Valley

Queanbeyan, Googong, Jerra'ra

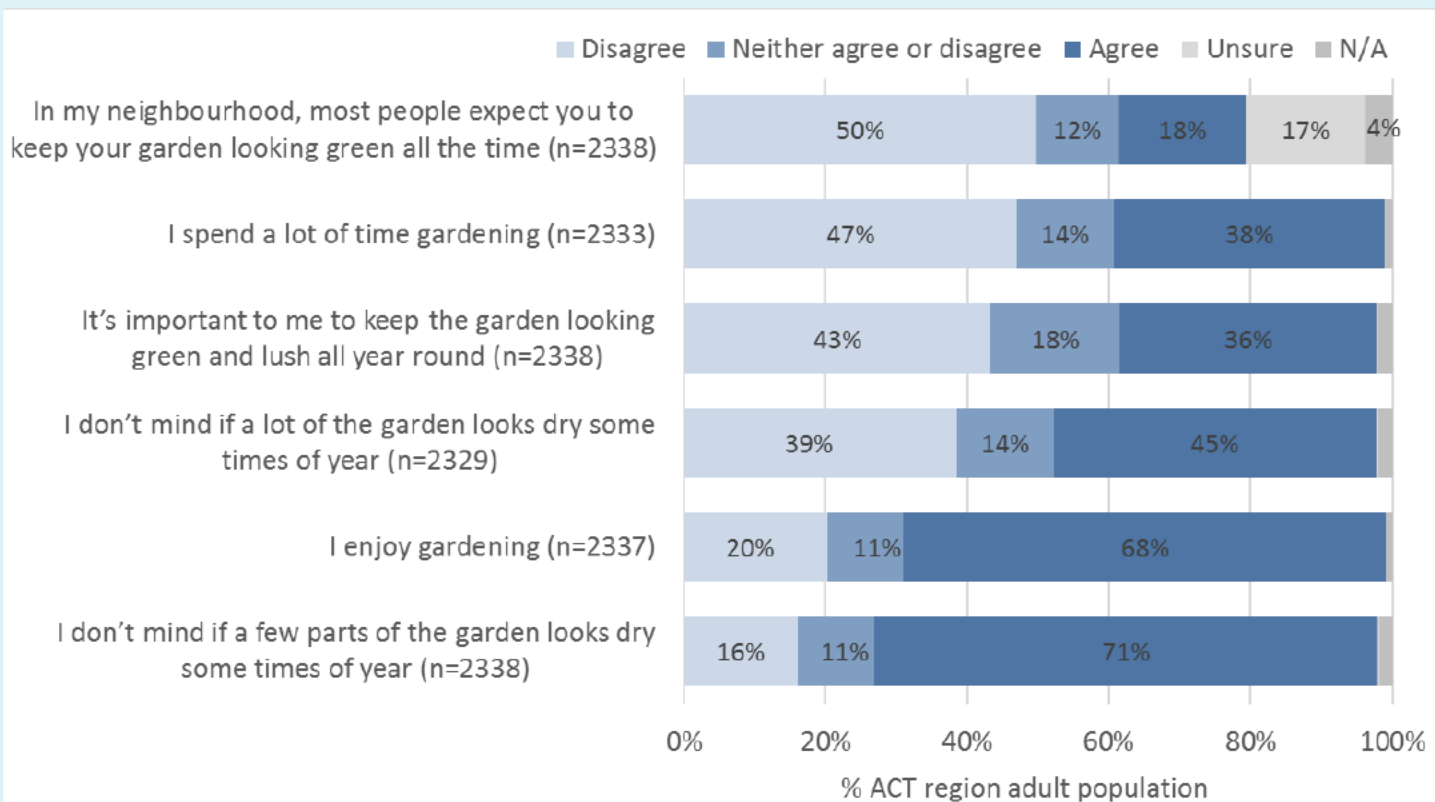
Resilience to storms, flood, bushfire

Preparedness



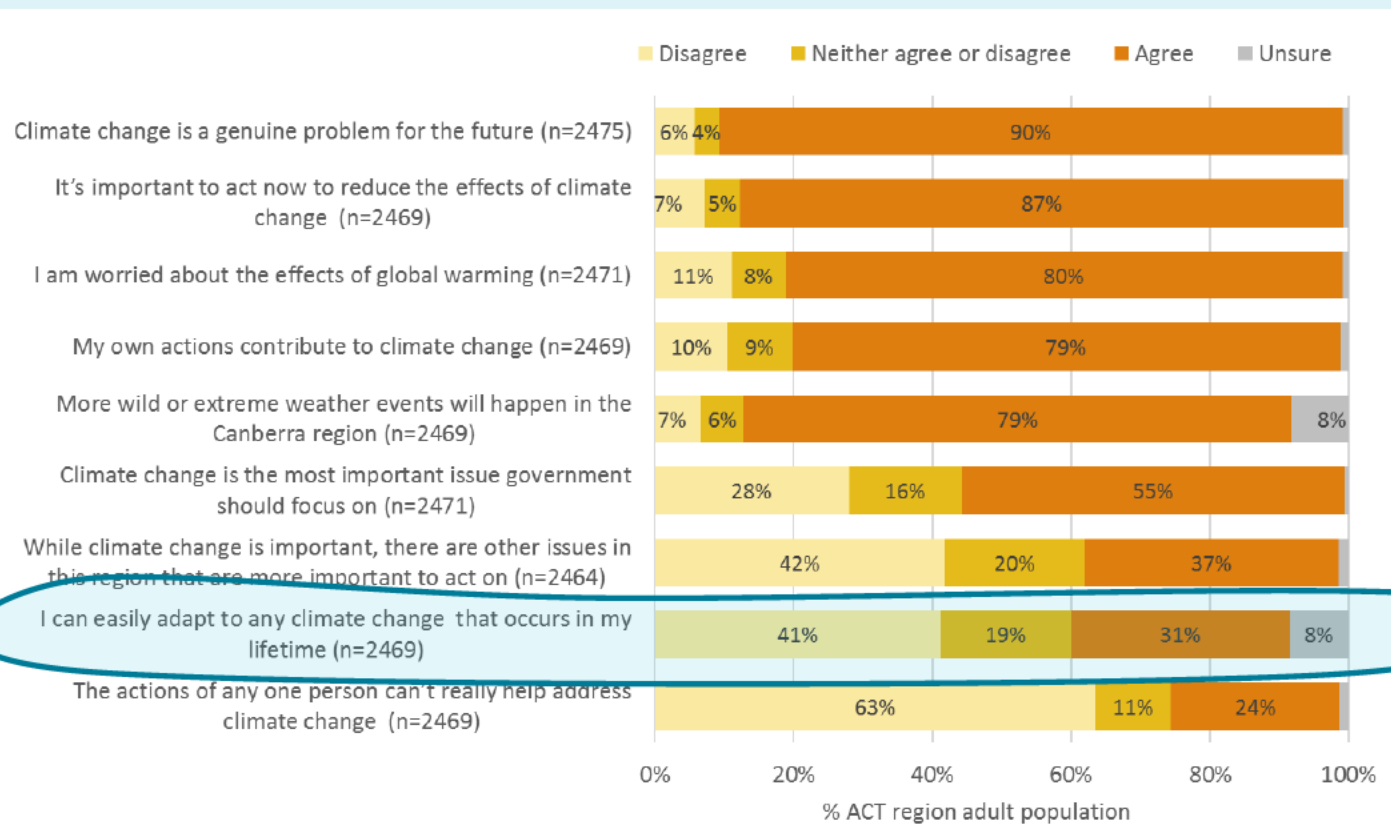
Resilience to water scarcity

Identity and gardening



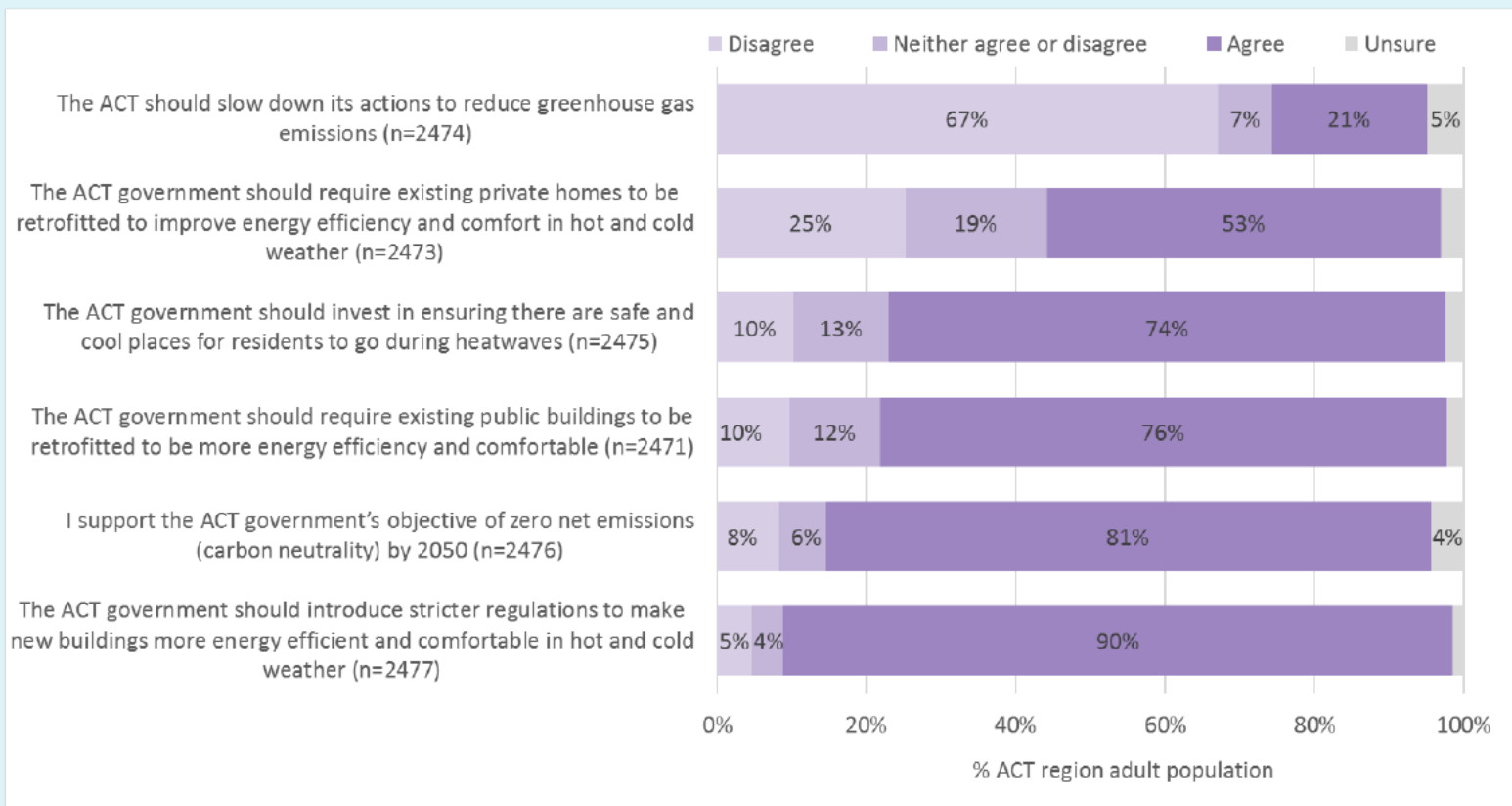
Climate change views & action

Confidence in ability to adapt is a key issue



Climate change views & action

Confidence in ability to adapt is a key issue



Next steps

Analysis and reporting

- Finalise segmentation analysis (resilience by group and region)
 - Overall resilience to climate change
 - Resilience to specific effects of climate change
 - Areas of vulnerability/sensitivity
 - Areas of high adaptive capacity
- Examine 1-2 topics in more detail
 - To be agreed after analysing initial results
- Identify indicators to be repeated over time
- Finalise report

DISTINCTIVE BY DESIGN



ACT LONGITUDINAL SURVEY ON CLIMATE CHANGE: Understanding climate change adaptation and resilience

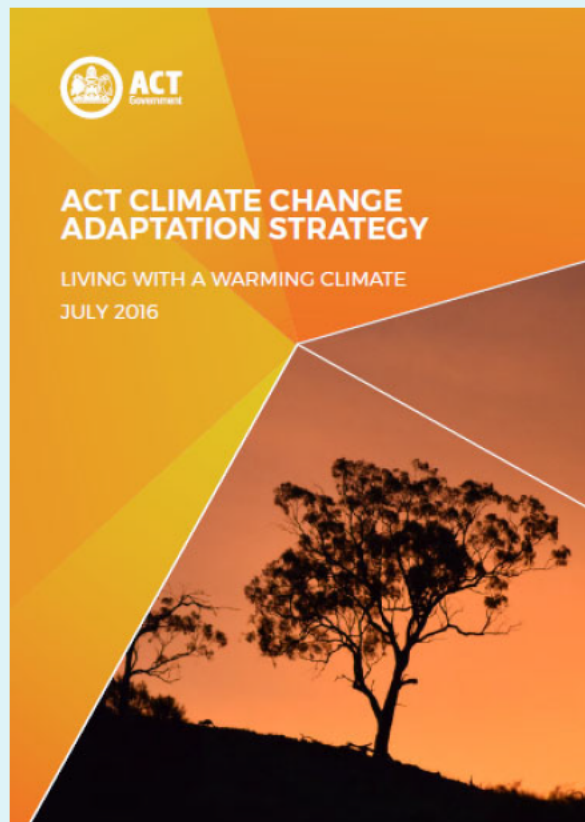
October 23, 2018

Jacki Schirmer & Brigitta Yabsley

Health Research Institute & Institute for Applied Ecology

University of Canberra

OBJECTIVE: ESTABLISH SURVEY ON CLIMATE CHANGE RESILIENCE



Key questions:

- Who is more/less resilient to effects of climate change?
- Who is more/less able to adapt successfully?
- What actions can best build resilience?

Tracking over time:

- Who has adapted more/less successfully?
- Were investments in adaptation successful?

Actions for Monitoring and Evaluation

Actions by end 2017

27. Monitoring and evaluation framework

Measure resilience as an outcome of successful adaptation, including:

- a. establishing a longitudinal community survey (commencing in 2016 and repeated in 2020)
- b. measurable and repeatable indicators to evaluate resilience across community sectors.

RESILIENCE AND ADAPTATION PROCESSES

Individual resilience resources
(skills, health, finances, social networks)

Community resilience resources
(economy, community, institutions, liveability)

Awareness & support for action
(views about climate change, adaptation, policy)

Resilience to heatwaves
(health, residence, work, refuges, coping strategies)

Resilience to extreme weather events
(storm, flood, fire, risk awareness, preparedness)

Resilience to drought
(water usage, gardening identity)



SURVEY

2,671 people completed the survey



Platform:

- Online survey

Region:

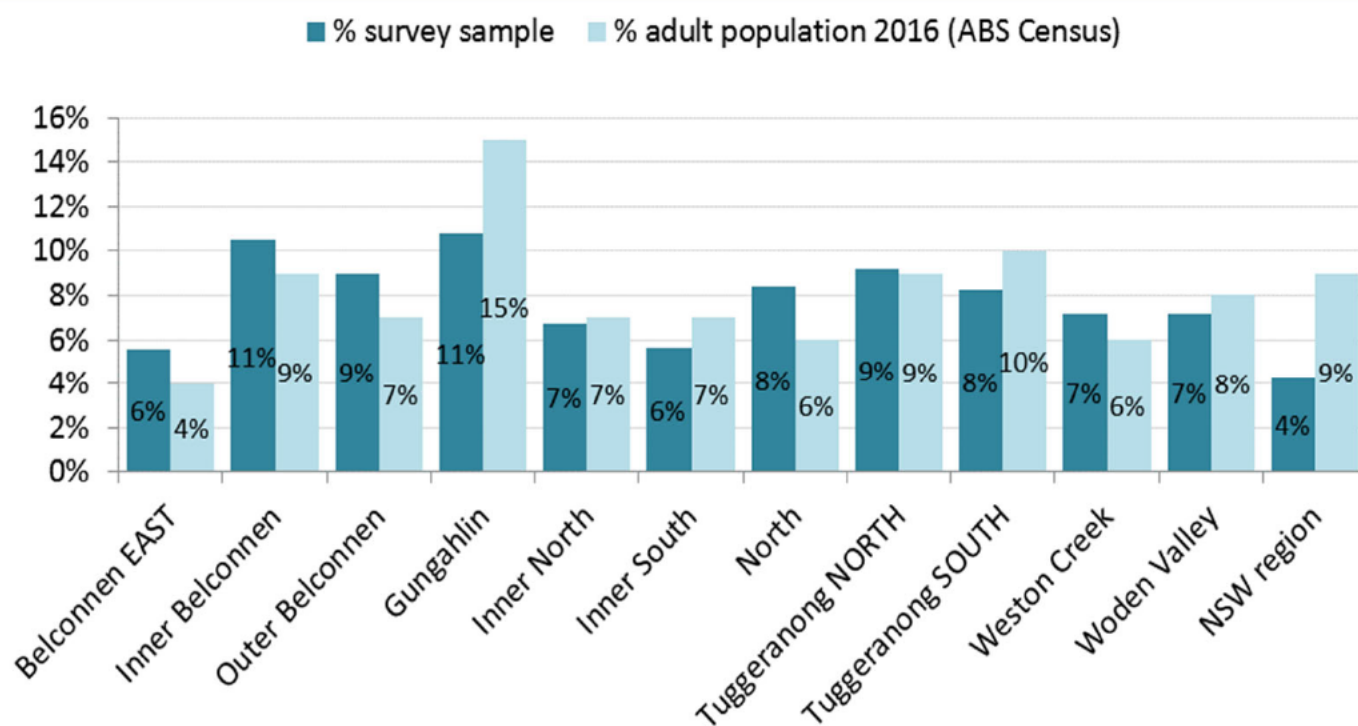
- ACT, nearby NSW

Recruitment:

- Existing database
- Social media ads
- Flyers

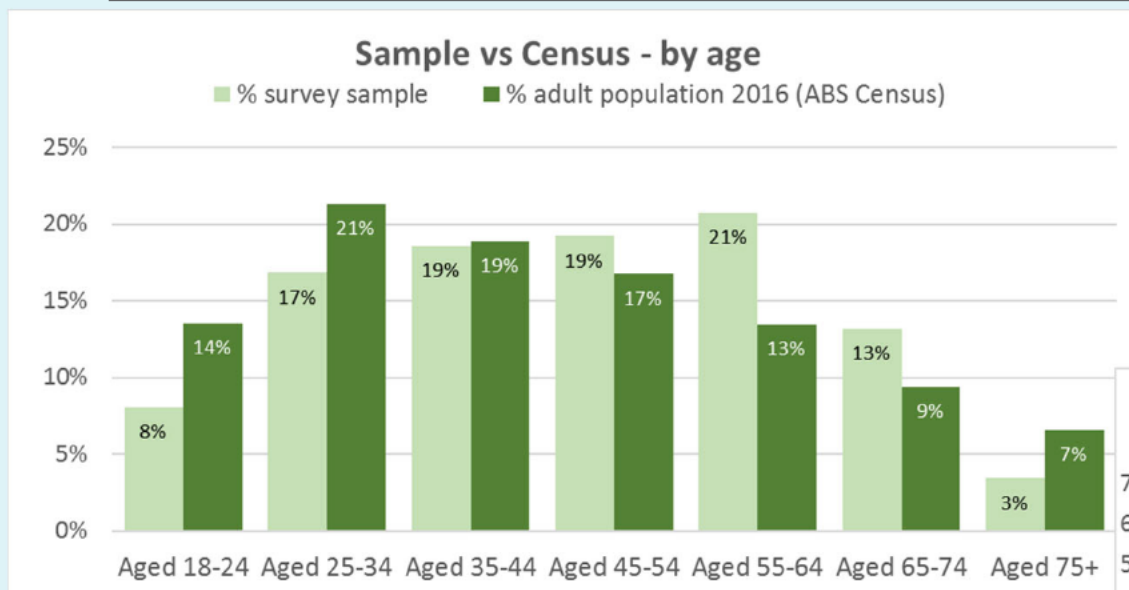
Representativeness

- Good sample from different regions, demographic groups.
- All data in this presentation weighted to be representative of adult population

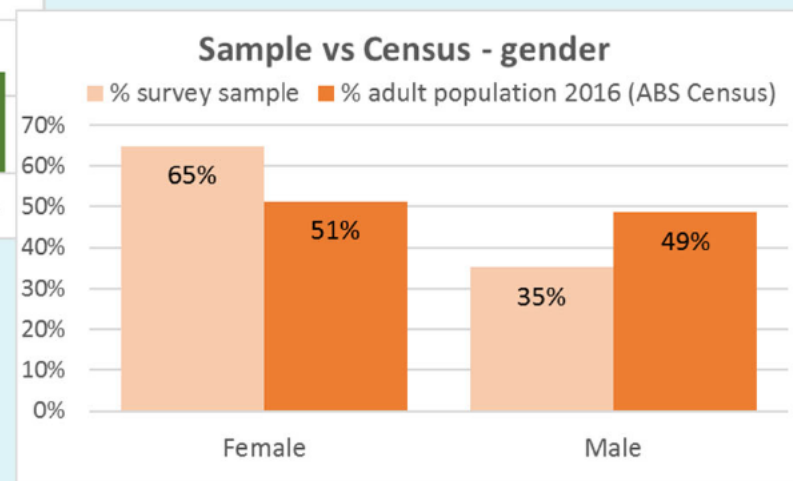


ENSURING REPRESENTATIVENESS

All data in this presentation representative of adult population



Data weighting used to ensure representative analysis

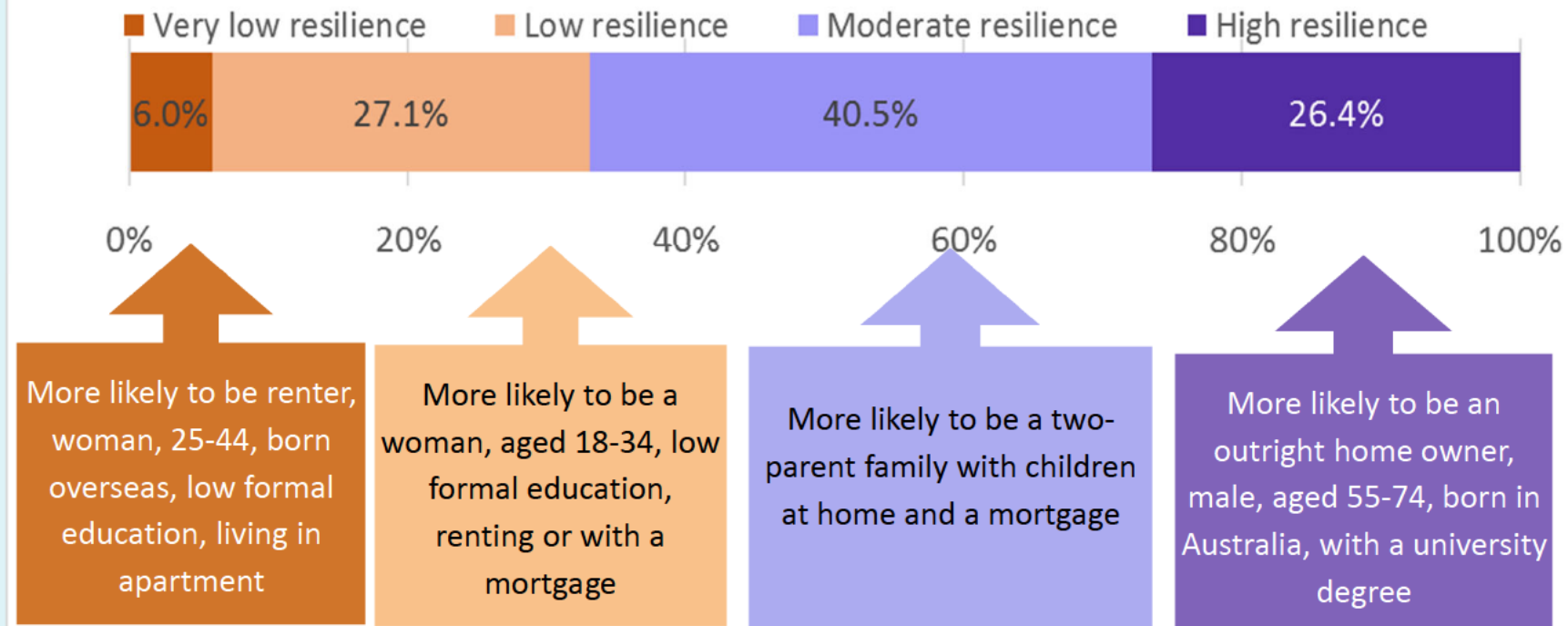


Overall resilience to climate change

Based on access to resilience resources; resilience to heatwaves, extreme weather, drought; and support for action



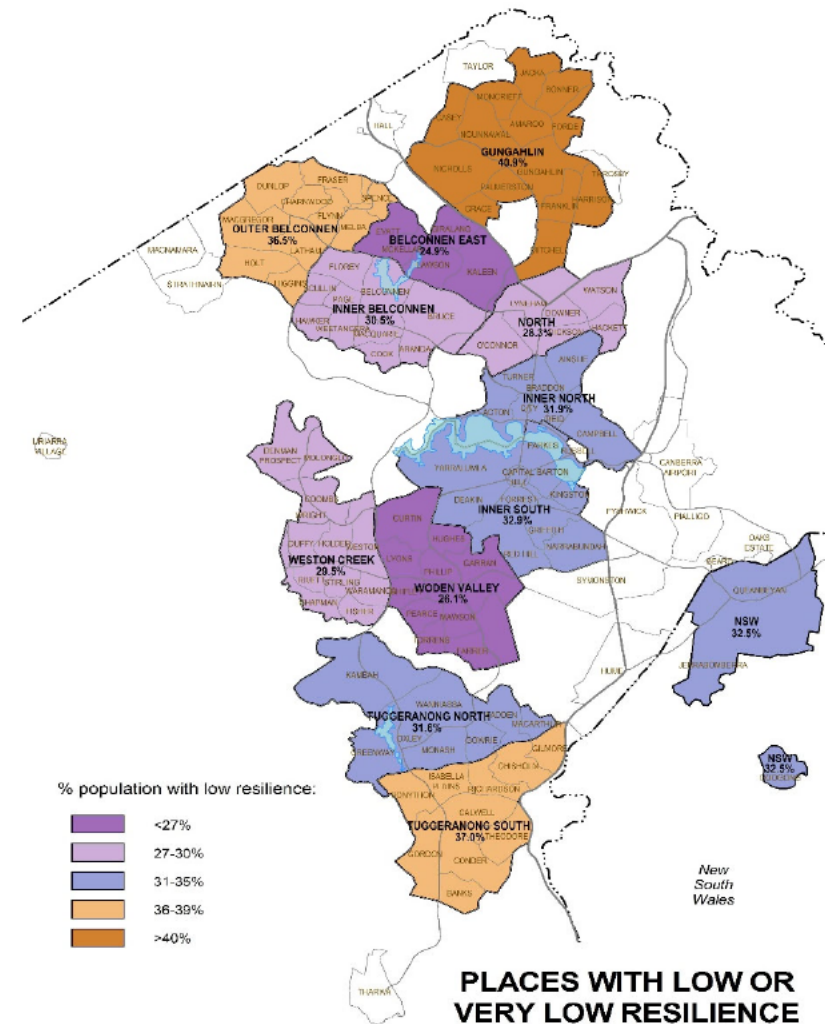
ACT adult population - Overall resilience to expected effects of climate change



Resilience across the ACT

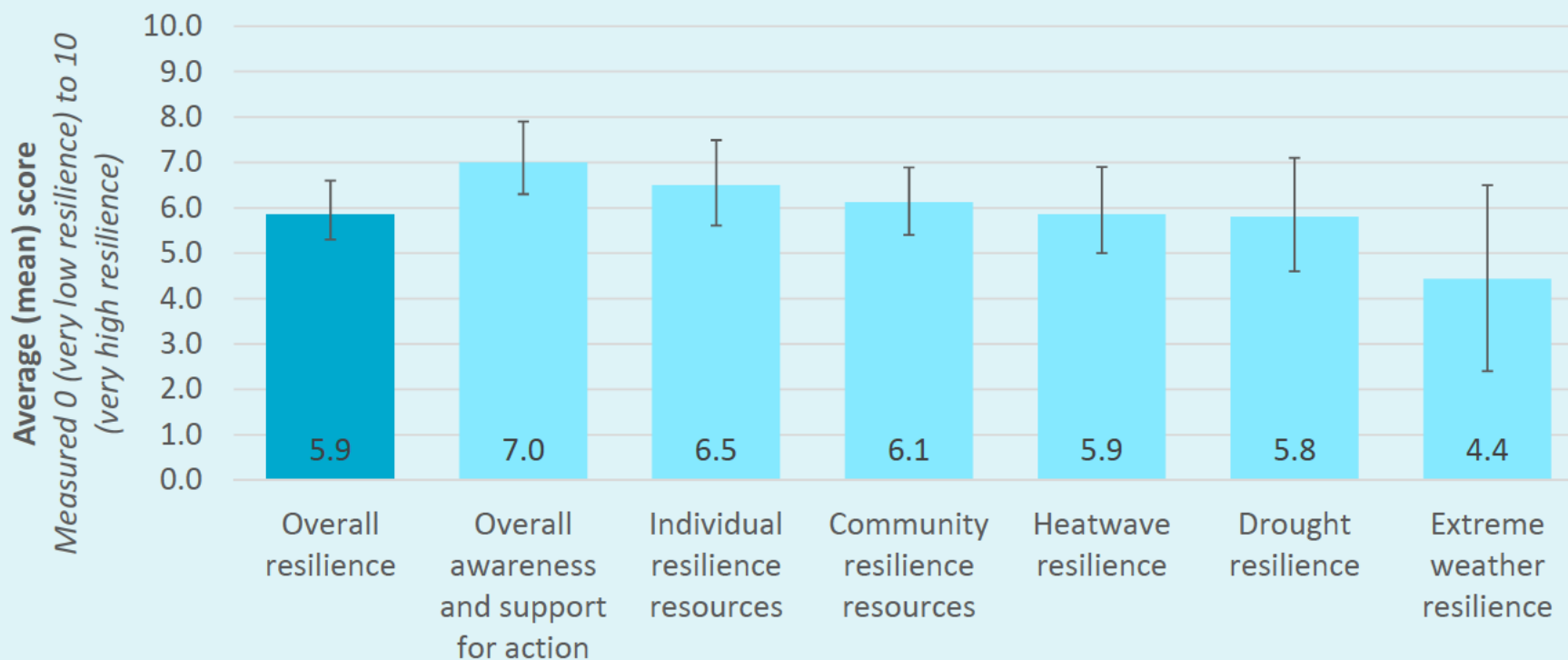
Based on access to resilience resources, and resilience to heatwaves, extreme weather, drought, and support for action

- Age, gender, housing type, education biggest predictors of resilience
- Location less strong predictor
- Low/very low resilience MORE common:
 - Gungahlin
 - Outer Belconnen
 - Tuggeranong South
- Low/very low resilience LESS common:
 - Woden Valley
 - Belconnen East
 - North, Weston Creek, Inner Belconnen



Components of resilience

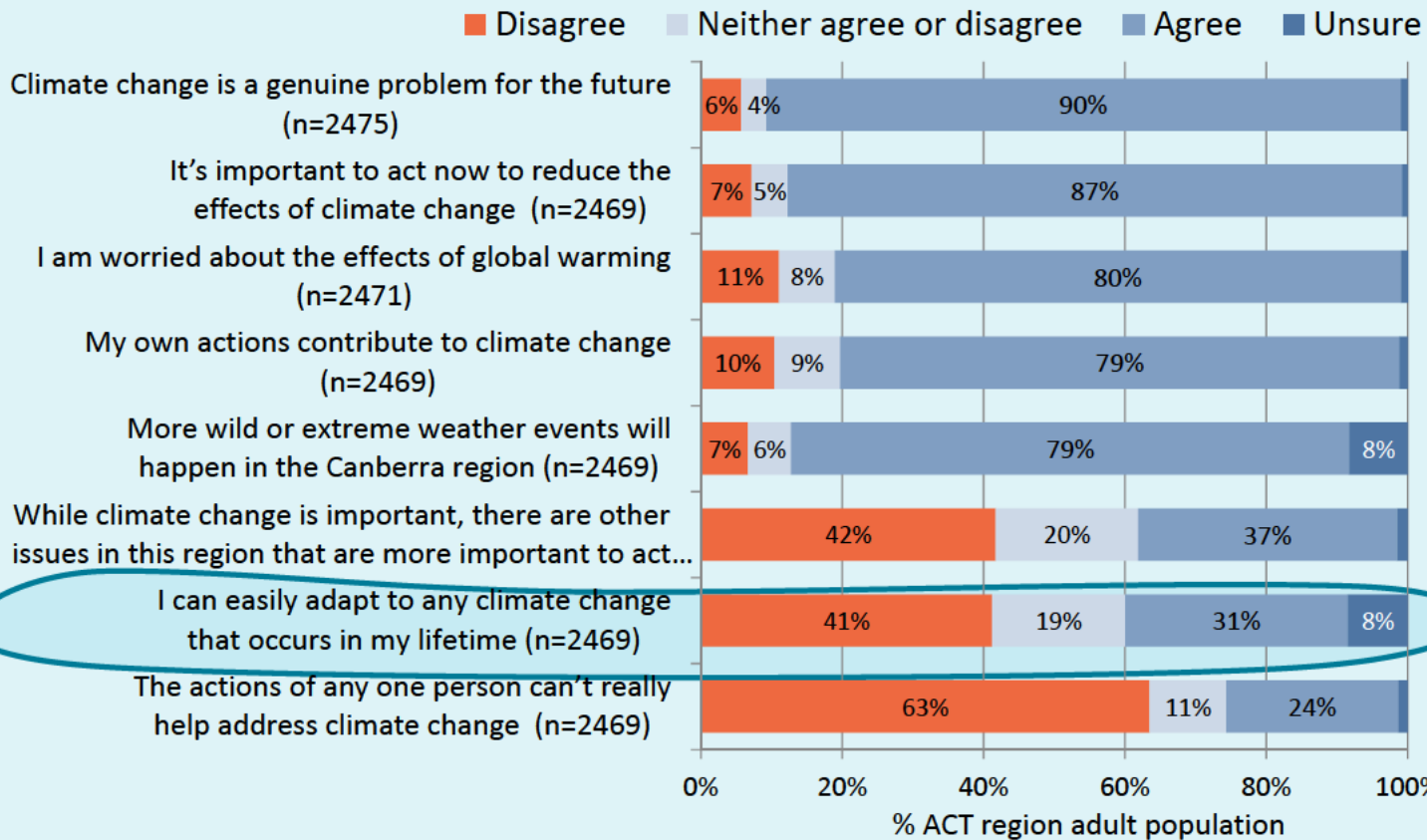
ACT residents support climate change adaptation, and often have good resilience resources – but aren't always using these resources to proactively adapt



Bars on each column show range within which middle 50% of population falls (25% and 75% percentiles)

Climate change views & support for action

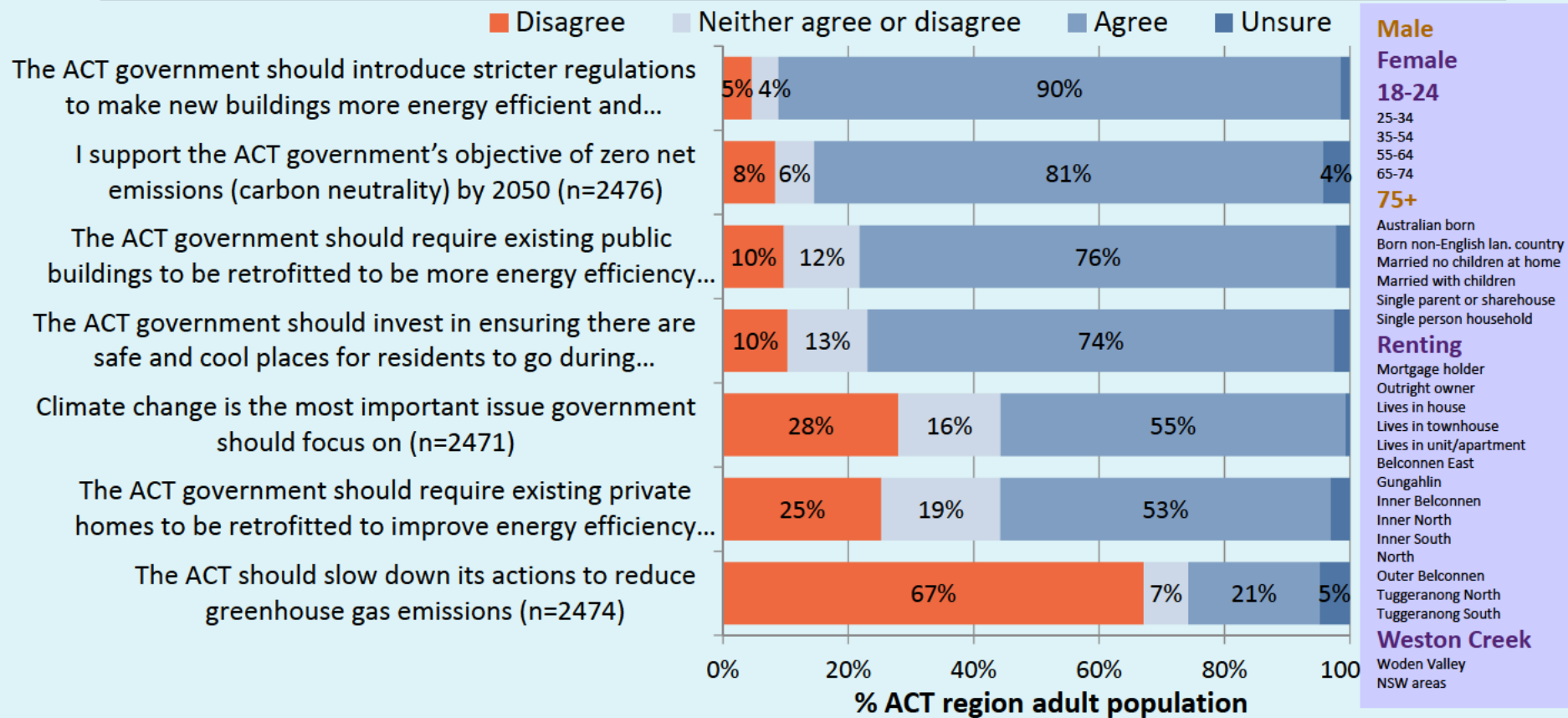
Confidence in ability to adapt is a key issue



- Male**
- Female
- 18-24
- 25-34
- 35-54
- 55-64
- 65-74
- 75+**
- Australian born
- Born non-English lan. country**
- Married no children at home
- Married with children
- Single parent or sharehouse
- Single person household
- Renting
- Mortgage holder
- Outright owner
- Lives in house
- Lives in townhouse
- Lives in unit/apartment
- Belconnen East
- Gungahlin
- Inner Belconnen
- Inner North
- Inner South
- North
- Outer Belconnen
- Tuggeranong North
- Tuggeranong South
- Weston Creek
- Woden Valley
- NSW areas**

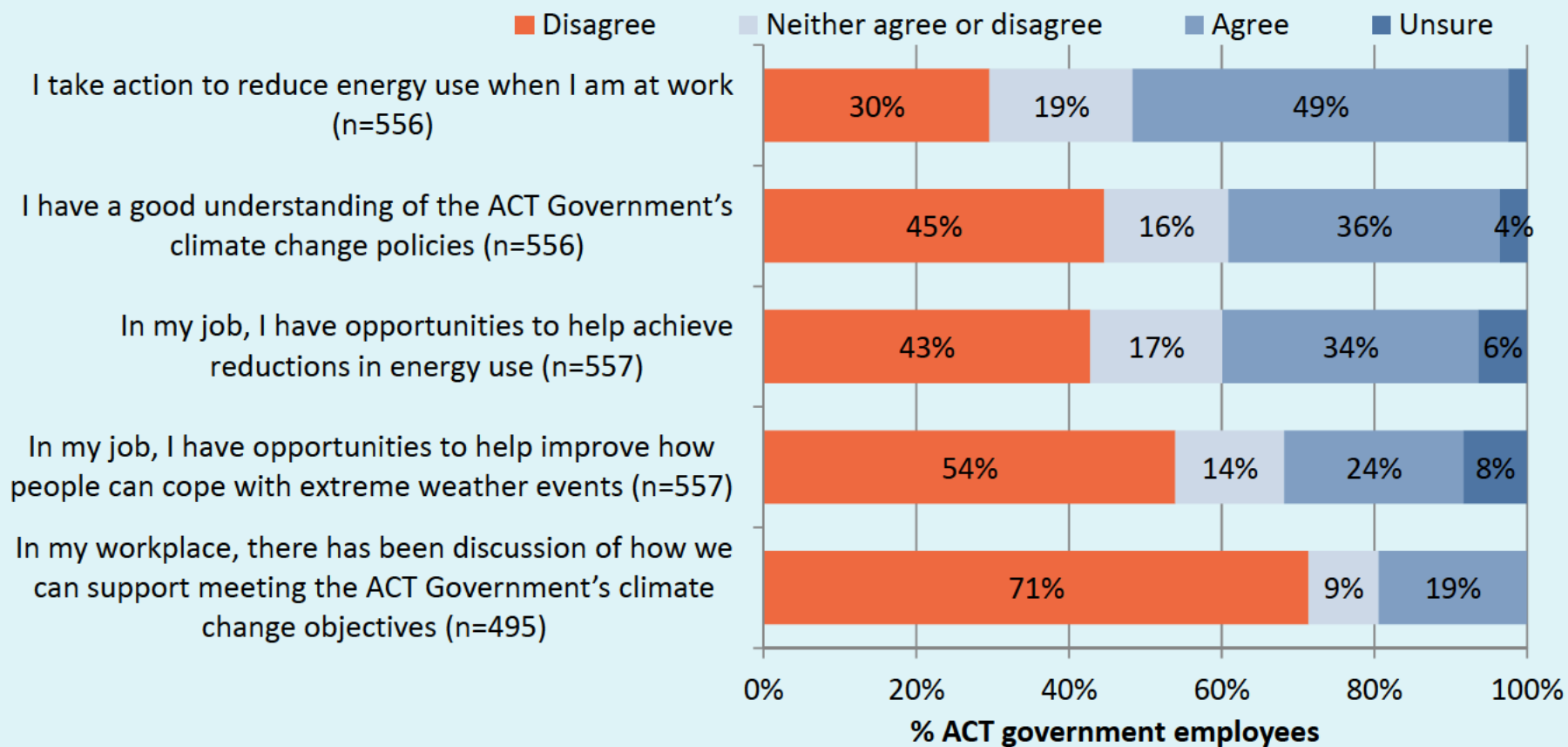
Climate change views & support for action

High support for government action



Climate change views & support for action

ACT Government workers - climate change in the workplace



Climate change views & support for action

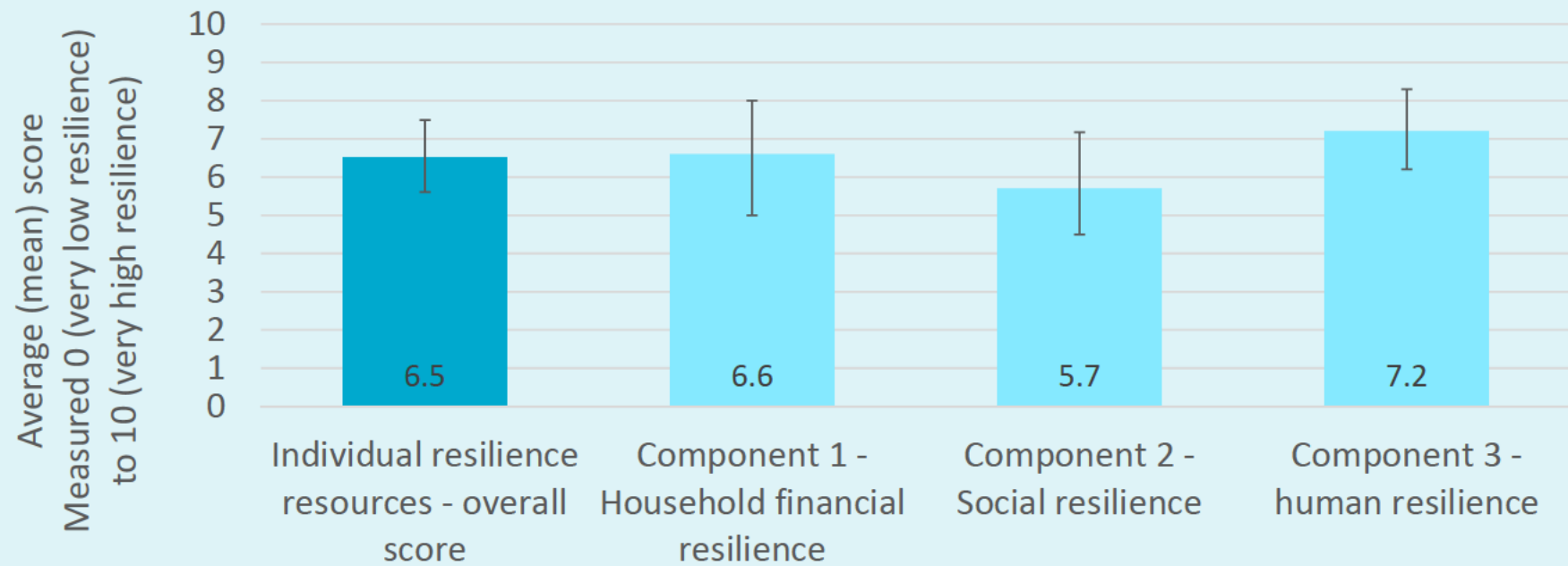
ACT Government workers – is there whole of government work to achieve climate change objectives?



	Take action to reduce energy use at work	Have good understanding of ACT Govt climate change policies	Have opportunities to help achieve reductions in energy use	Have opportunities to improve how people cope with extreme weather	Workplace has discussed how to help achieve ACT Govt climate change objectives
Environment, Planning & Sustainable Development (n=70)	66.8%	59.4%	59.2%	30.5%	51.2%
Education (n=123)	60.7%	24.8%	43.6%	26.9%	16.7%
Chief Minister, Treasury & Economic Development (n=109)	45.6%	42.2%	28.7%	14.5%	16.7%
Health (n=146)	40.5%	30.0%	23.9%	23.5%	11.5%
<i>Community Services (n=47)¹</i>	40.9%	44.8%	21.3%	35.5%	11.9%
<i>Justice & Community Safety (n=22)¹</i>	38.7%	37.0%	16.5%	30.7%	16.9%
<i>Transport Canberra & City Services (n=34)¹</i>	47.0%	27.7%	27.4%	19.9%	22.6%

Individual resilience resources

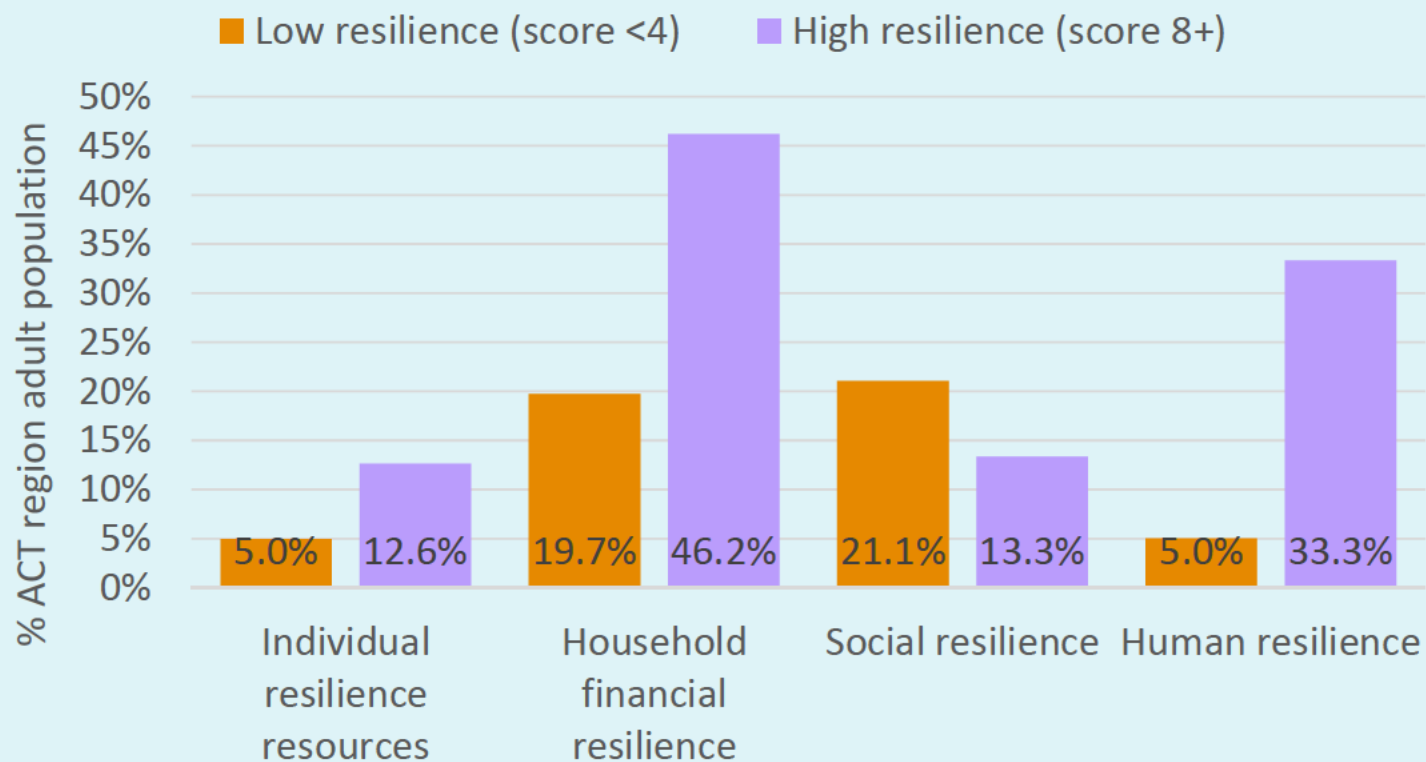
Who has money, social networks and skills/resources to draw on to adapt to climate change?



Bars on each column show range within which middle 50% of population falls (25% and 75% percentiles)

Individual resilience resources

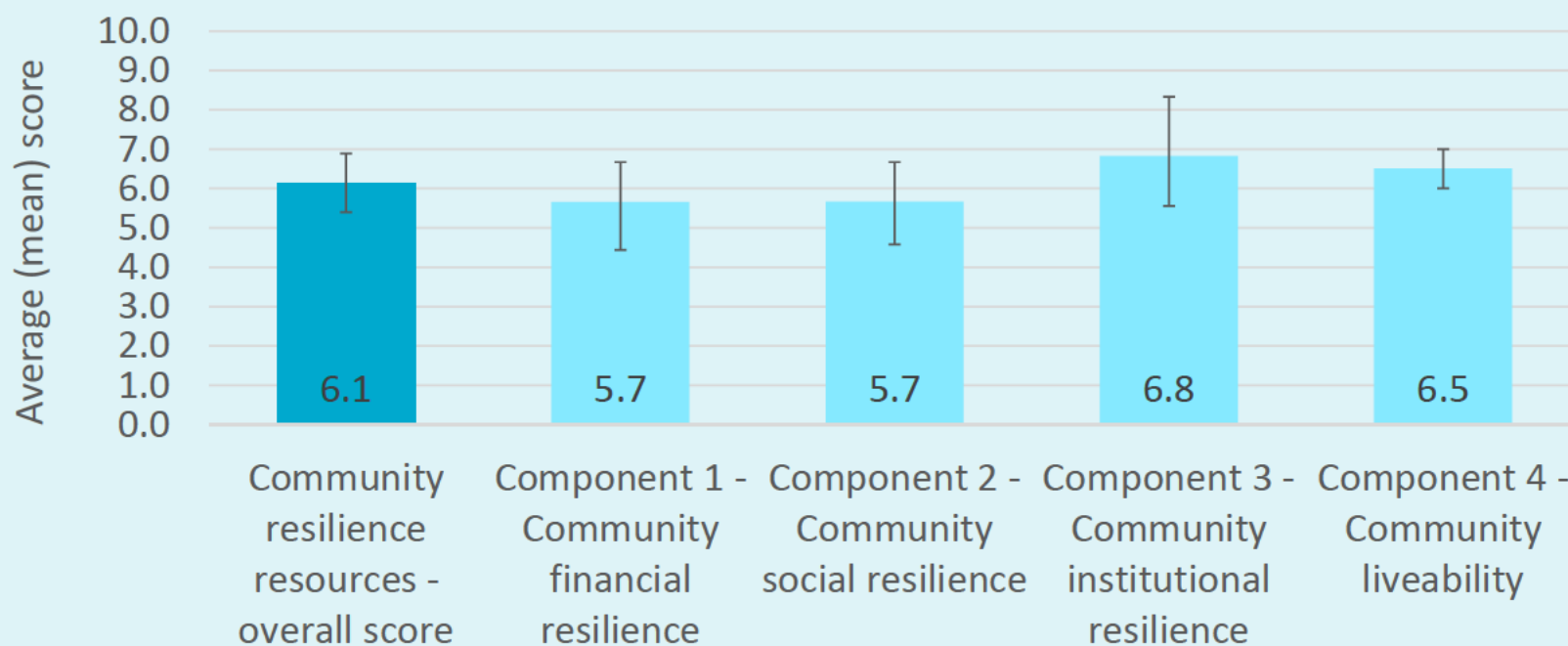
Who has money, social networks and skills/resources to draw on to adapt to climate change?



- Male
- Female
- 18-24**
- 25-34**
- 35-54
- 55-64**
- 65-74**
- 75+**
- Australian born
- Born non-English lan. country
- Married no children at home
- Married with children
- Single parent/ sharehouse**
- Single person h'hold**
- Renting**
- Mortgage holder
- Outright owner**
- Lives in house
- Lives in townhouse
- Lives in unit/apartment**
- Belconnen East
- Gungahlin
- Inner Belconnen
- Inner North
- Inner South**
- North
- Outer Belconnen
- Tuggeranong North
- Tuggeranong South**
- Weston Creek
- Woden Valley**
- NSW areas

Community resilience resources

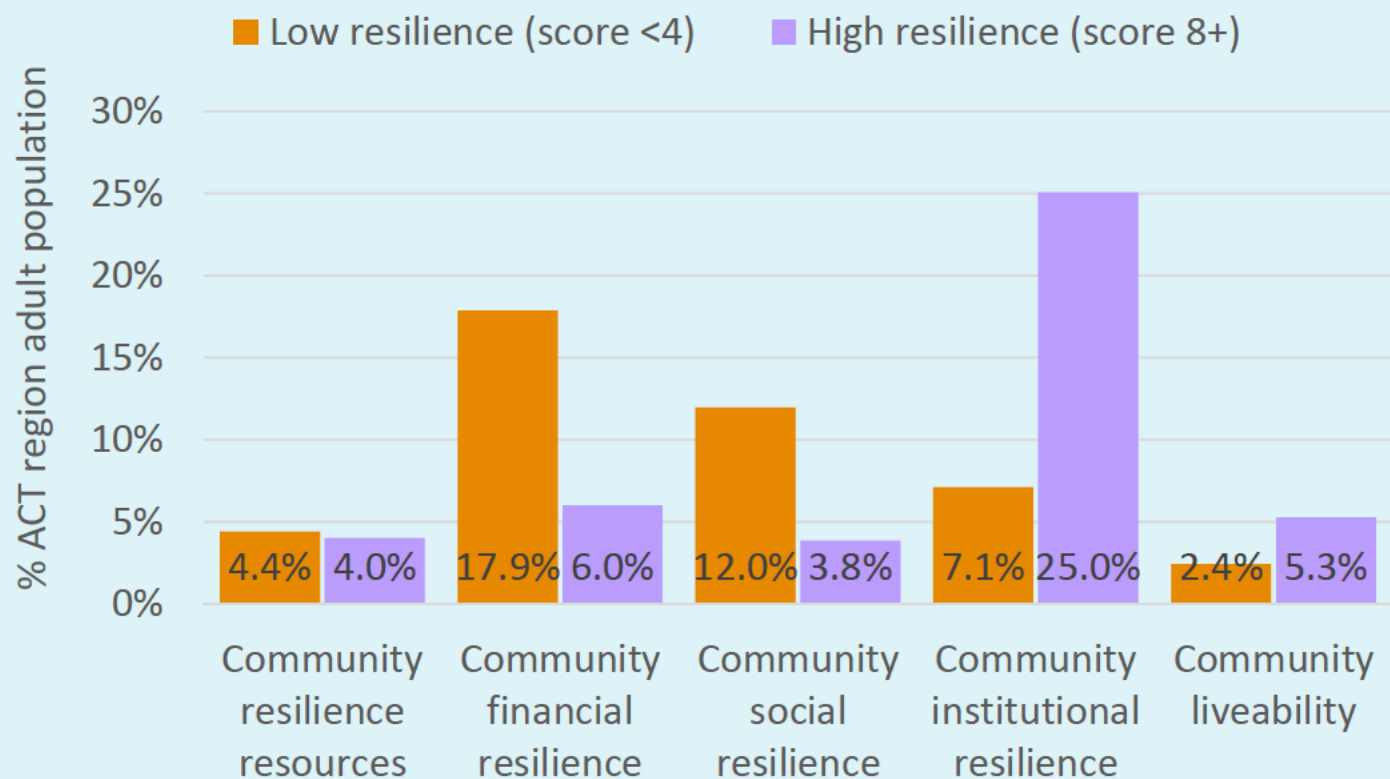
Who has good liveability, community, leadership and economic opportunity to draw on to adapt to climate change?



Bars on each column show range within which middle 50% of population falls (25% and 75% percentiles)

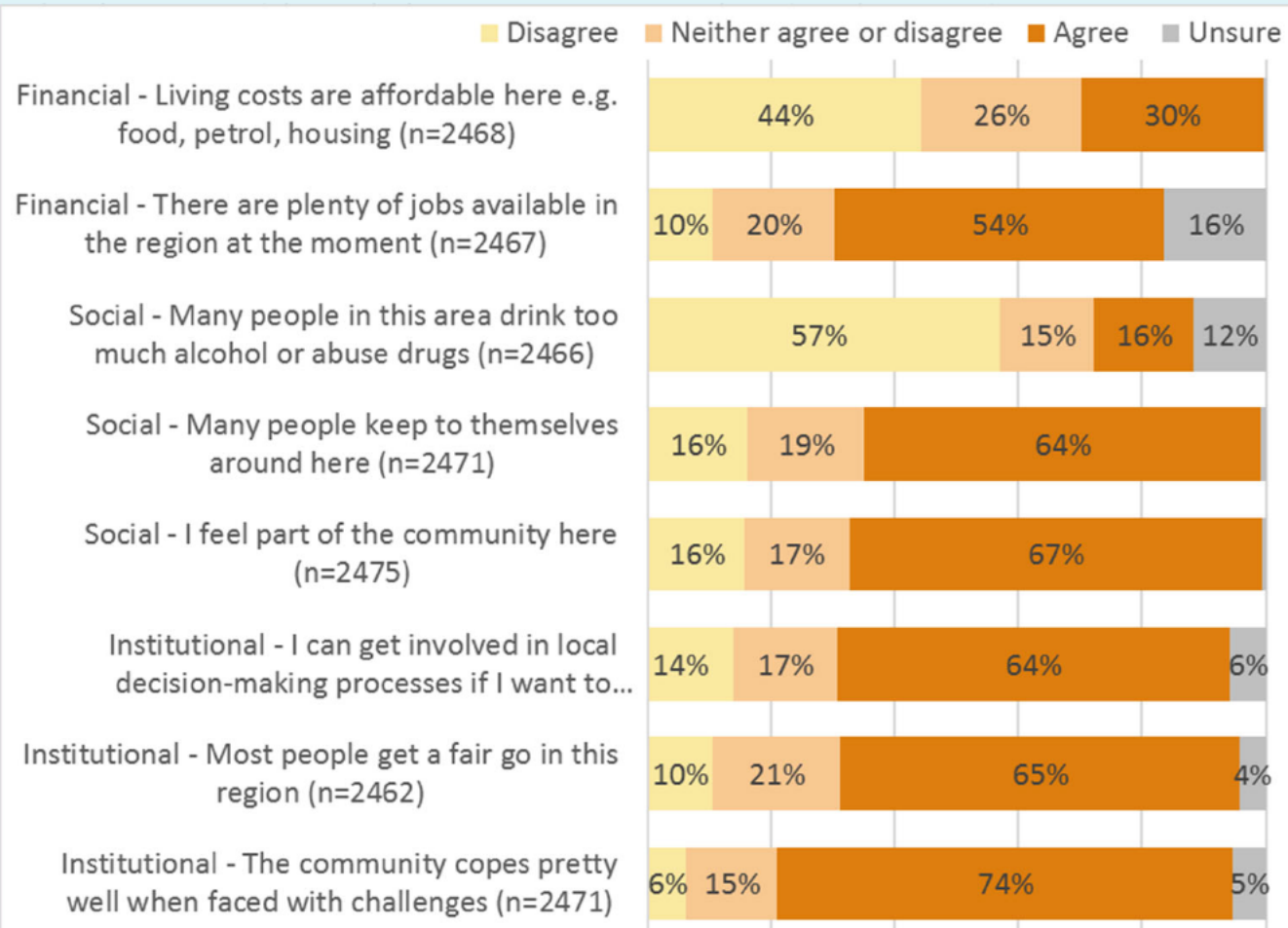
Community resilience resources

Who has good liveability, community, leadership and economic opportunity to draw on to adapt to climate change?



- Male
- Female
- 18-24
- 25-34**
- 35-54
- 55-64
- 65-74**
- 75+
- Australian born
- Born non-English lan. country
- Married no children at home
- Married with children
- Single parent/ sharehouse
- Single person h'hold**
- Renting**
- Mortgage holder
- Outright owner
- Lives in house
- Lives in townhouse
- Lives in unit/apartment
- Belconnen East
- Gungahlin
- Inner Belconnen
- Inner North
- Inner South**
- North**
- Outer Belconnen
- Tuggeranong North
- Tuggeranong South**
- Weston Creek
- Woden Valley**
- NSW areas

Community resilience resources

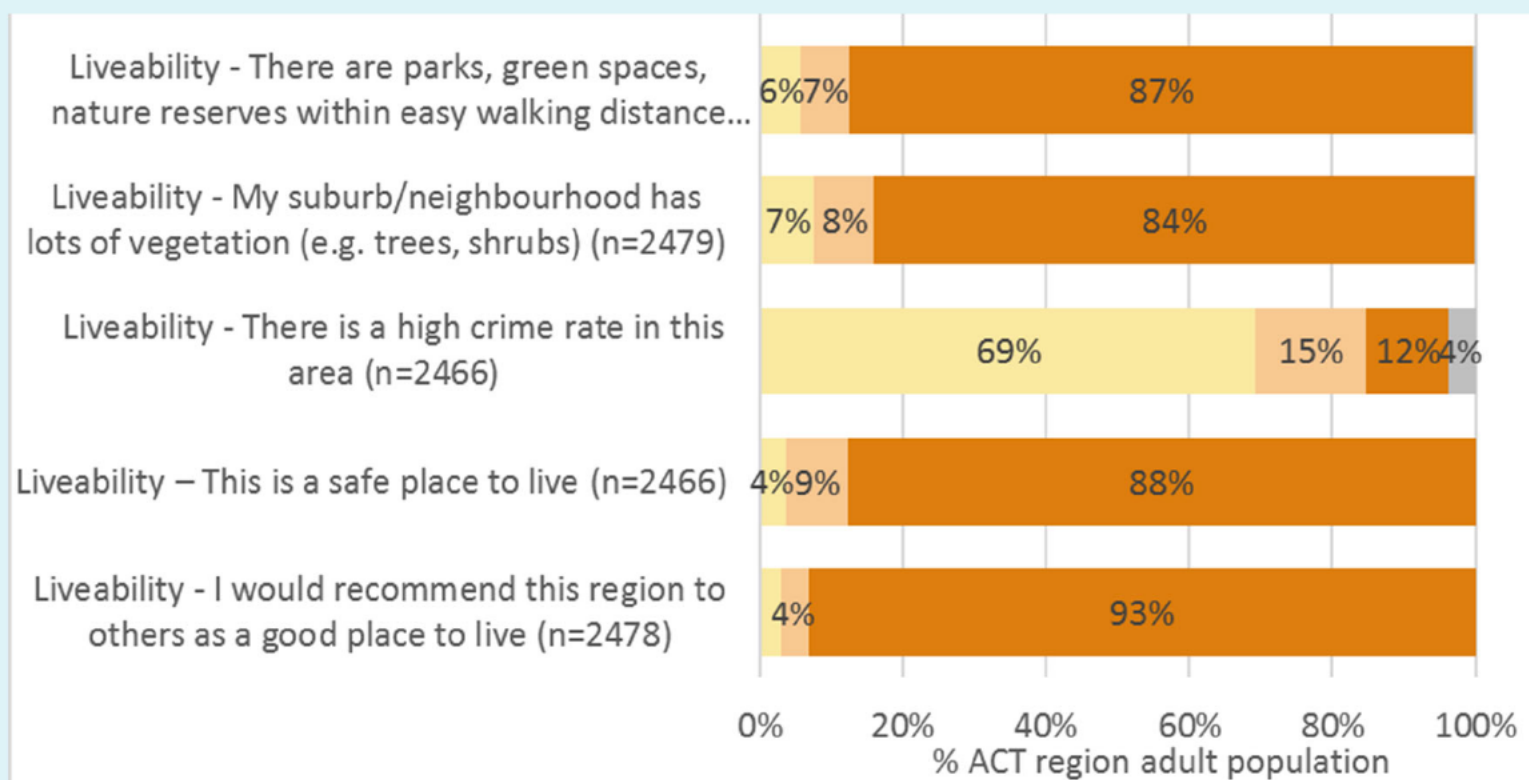


Community resilience resources

Who has good liveability, community, leadership and economic opportunity to draw on to adapt to climate change?

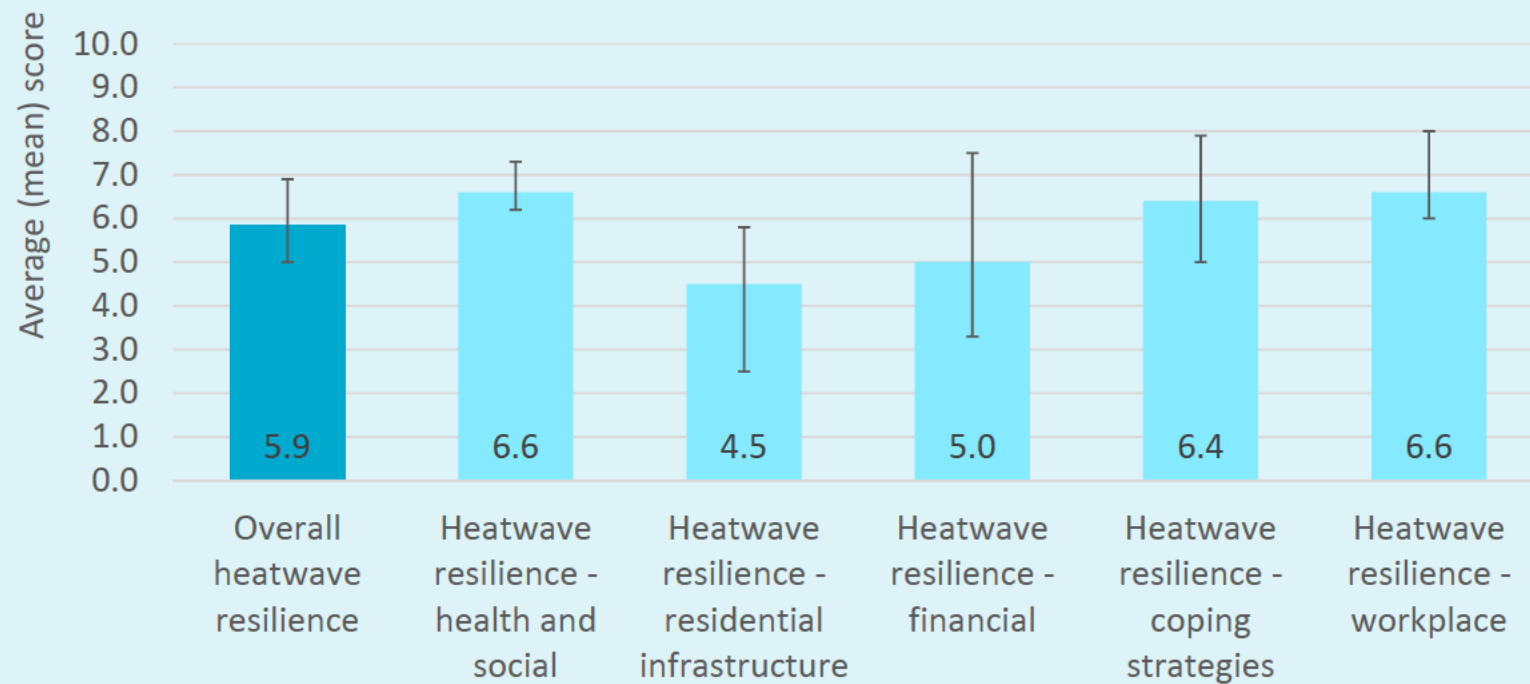


UNIVERSITY OF
CANBERRA



Heatwave resilience

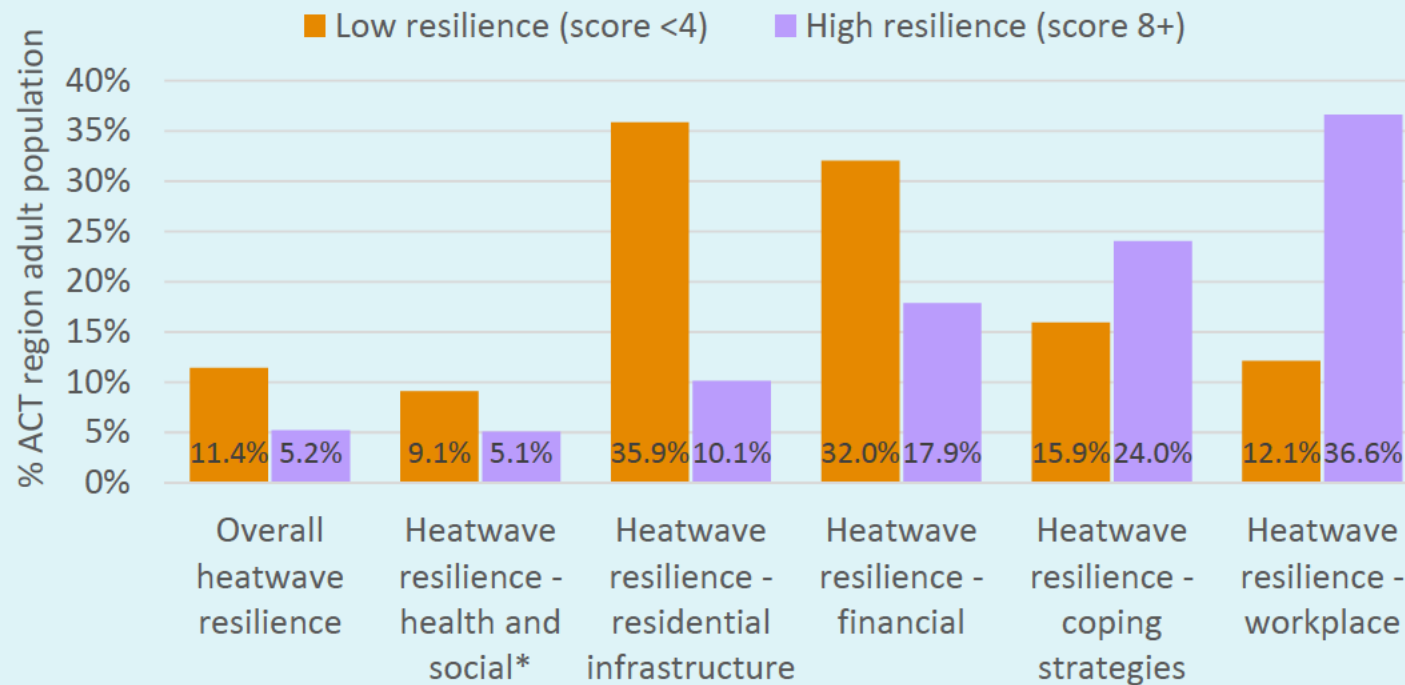
Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?



Bars on each column show range within which middle 50% of population falls (25% and 75% percentiles)

Heatwave resilience

Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?



* Low resilience considered to be a score of 5 or below for this measure

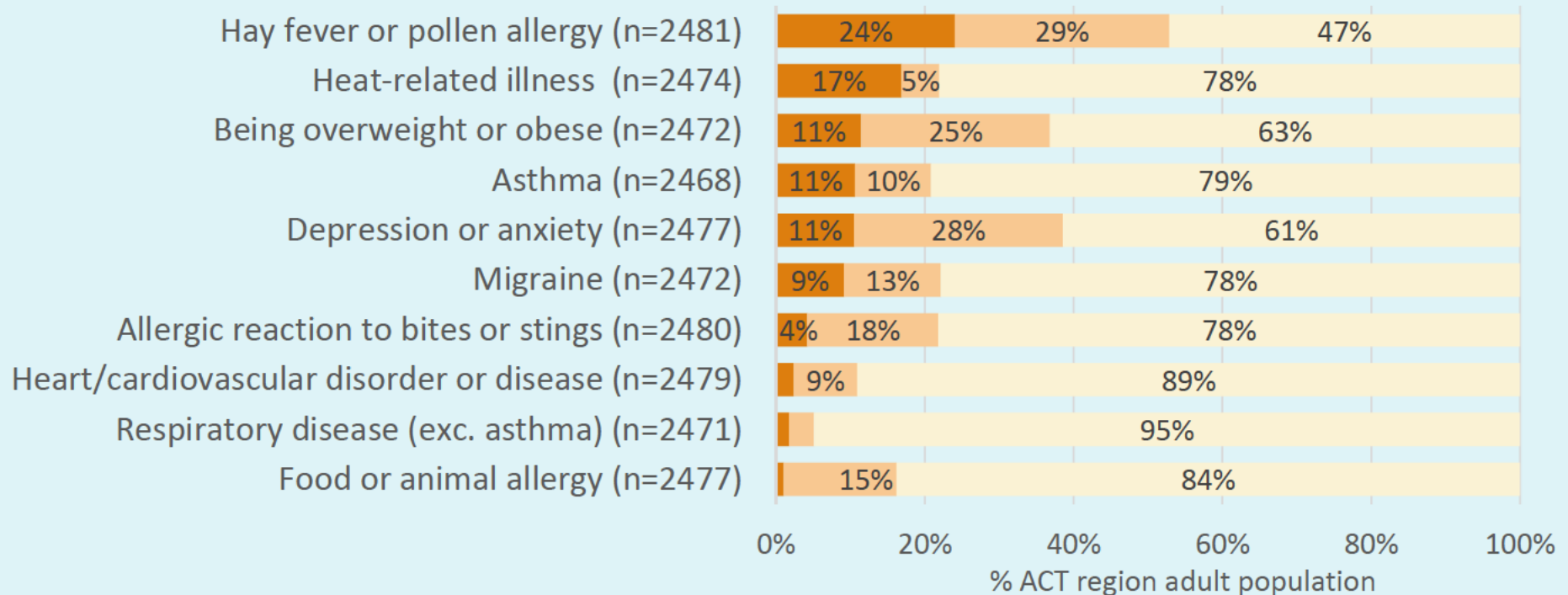
- Male
- Female
- 18-24**
- 25-34
- 35-54
- 55-64
- 65-74 (infrastructure)**
- 75+ (infrastructure)
- Australian born
- Born non-English lan. country
- Married no children at home
- Married with children
- Single parent/ sharehouse**
- Single person h'hold
- Renting**
- Mortgage holder
- Outright owner
- Lives in house
- Lives in townhouse
- Lives in unit/apartment**
- Belconnen East
- Gungahlin
- Inner Belconnen
- Inner North
- Inner South
- North
- Outer Belconnen
- Tuggeranong North
- Tuggeranong South
- Weston Creek
- Woden Valley
- NSW areas**

Heatwave resilience - health

Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?

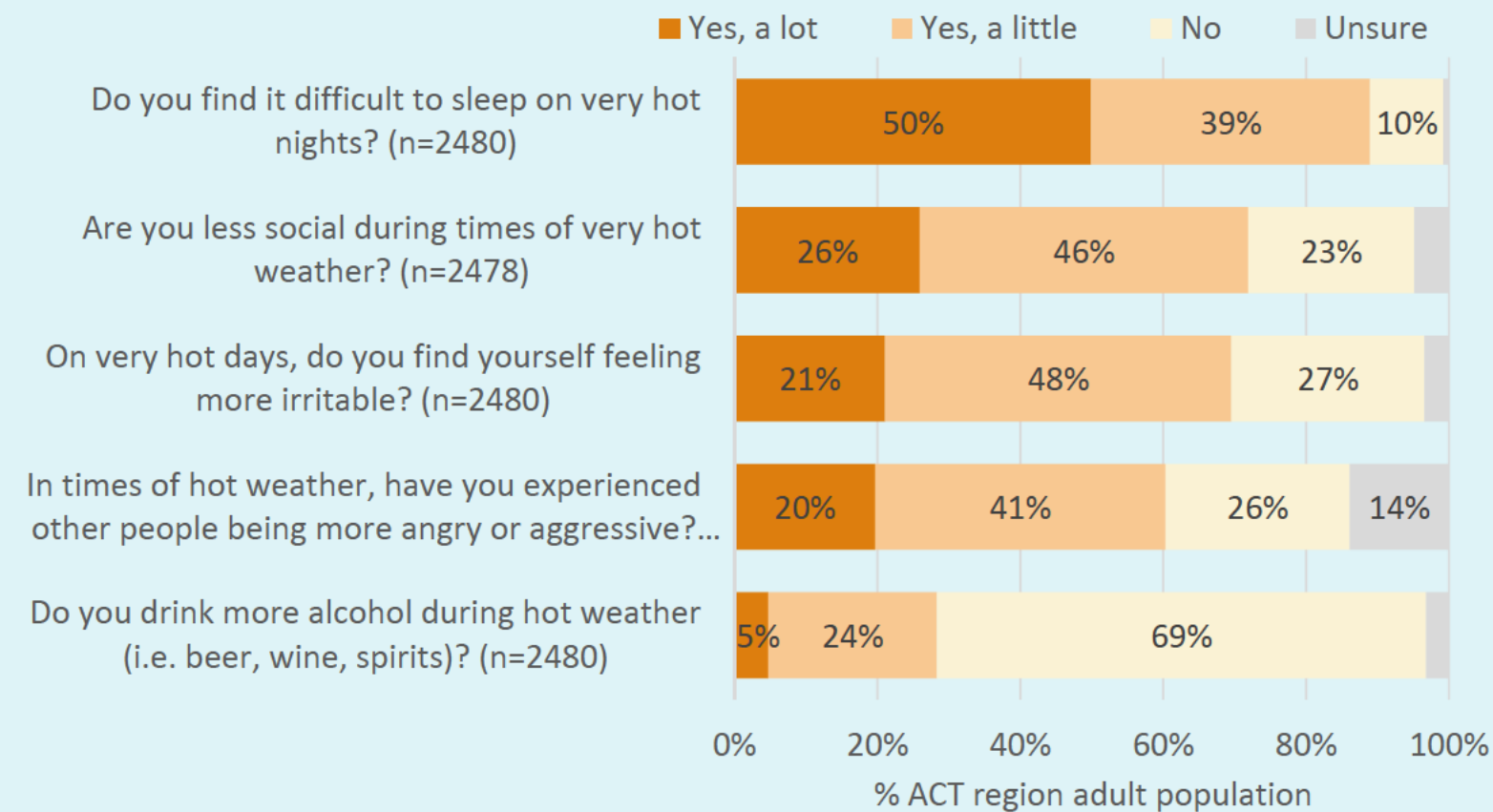


- Experiences issue, and it worsens with hot weather
- Experiences issue, but does not worsen with hot weather



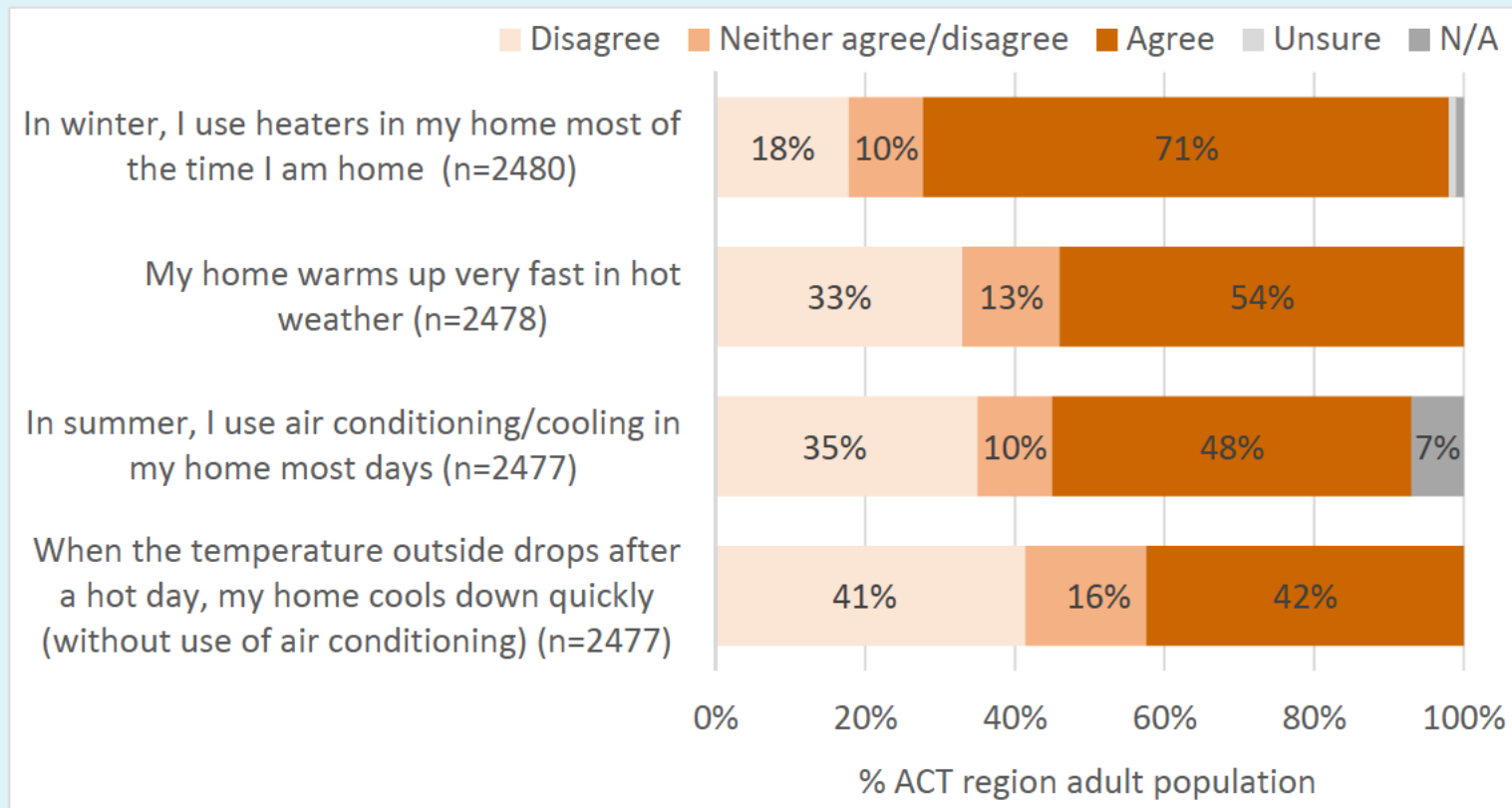
Heatwave resilience - social

Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?



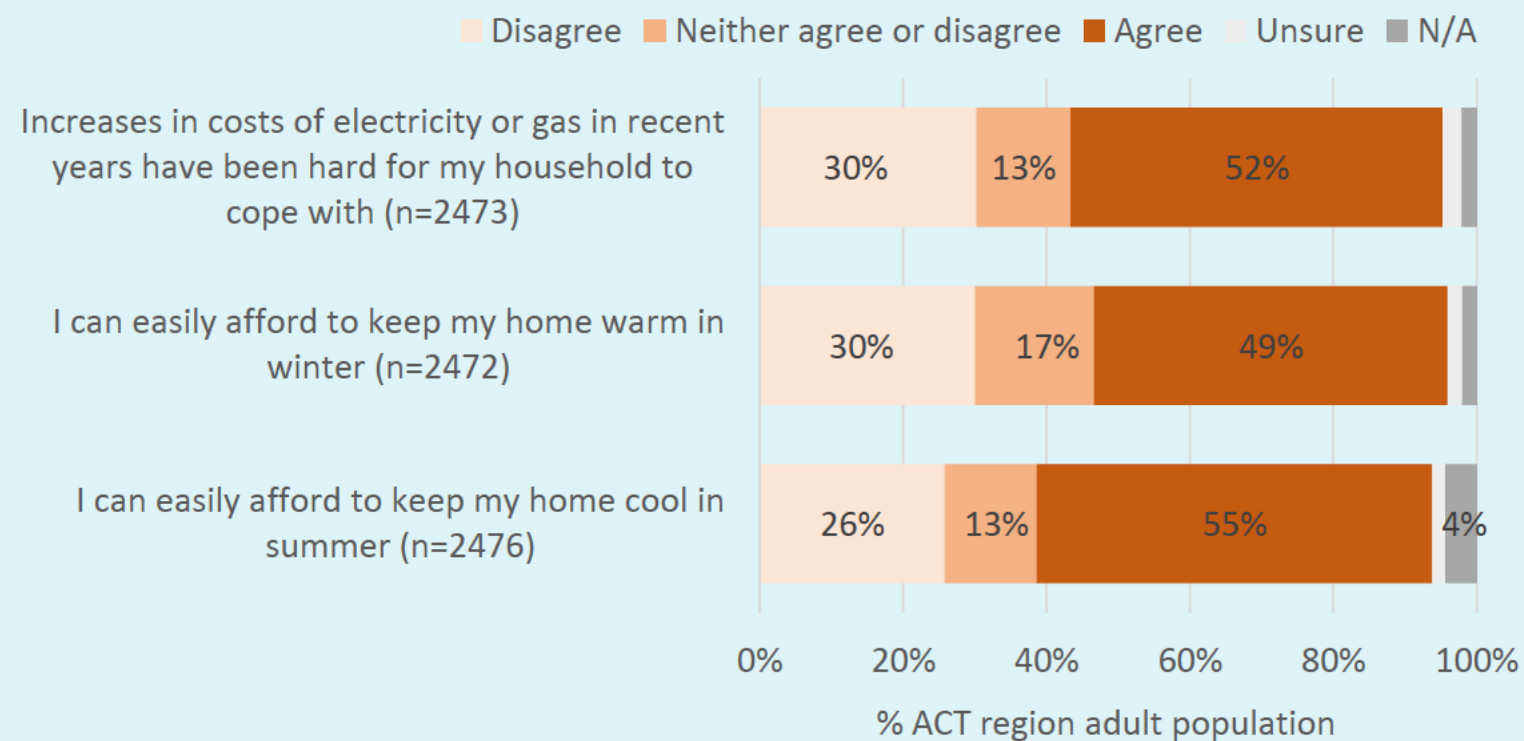
Heatwave resilience – residential infrastructure

Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?



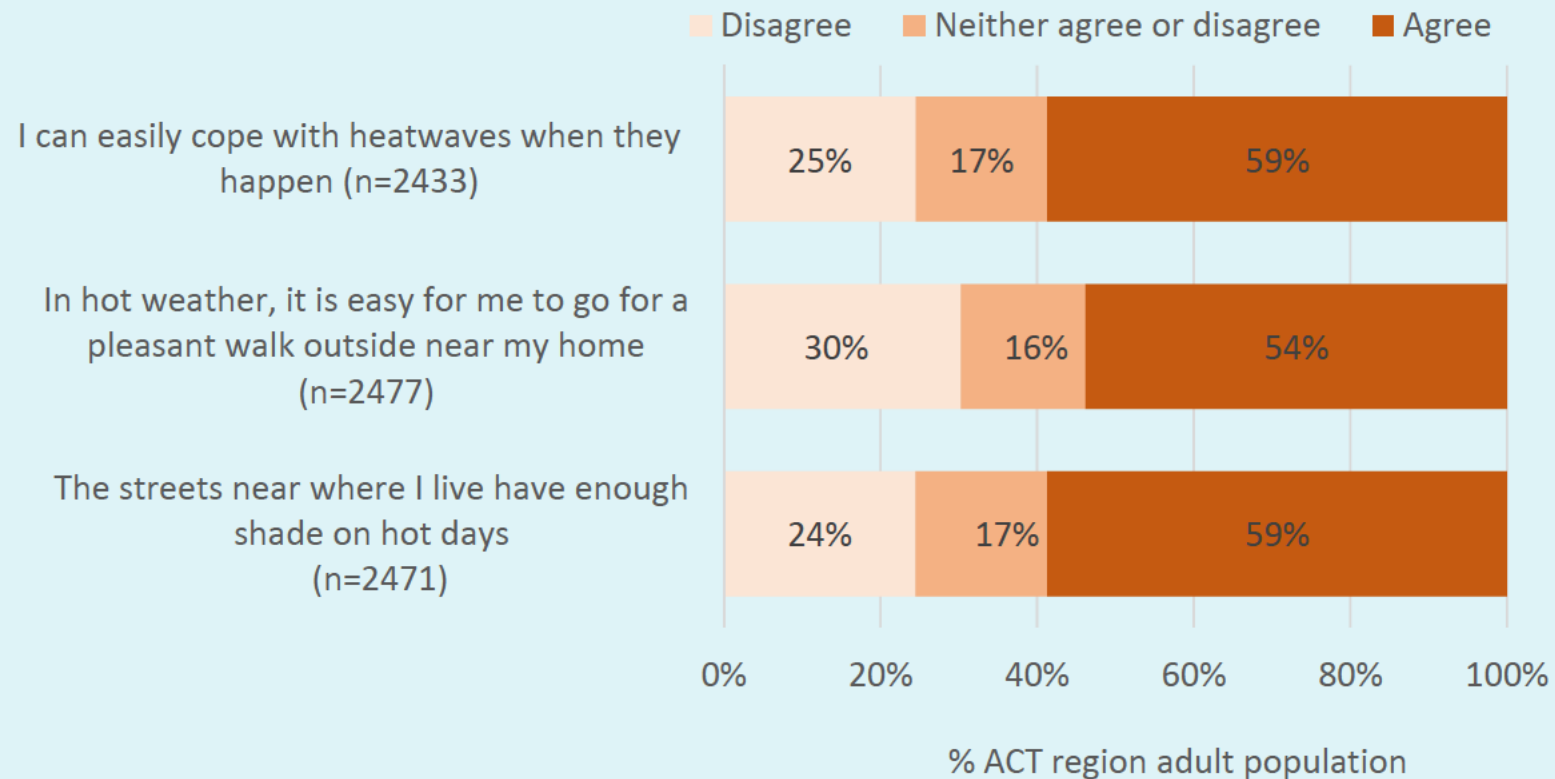
Heatwave resilience

Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?



Heatwave resilience

Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?

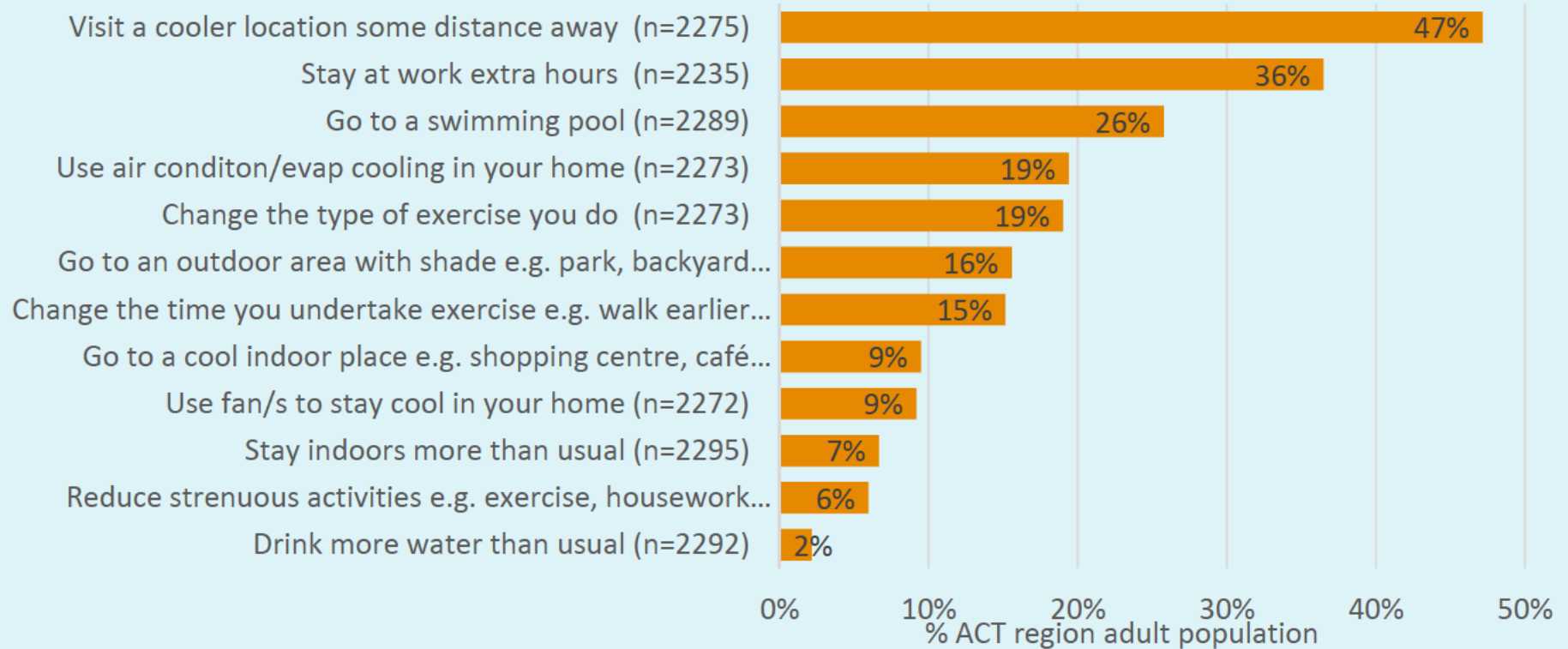


Heatwave resilience

Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?

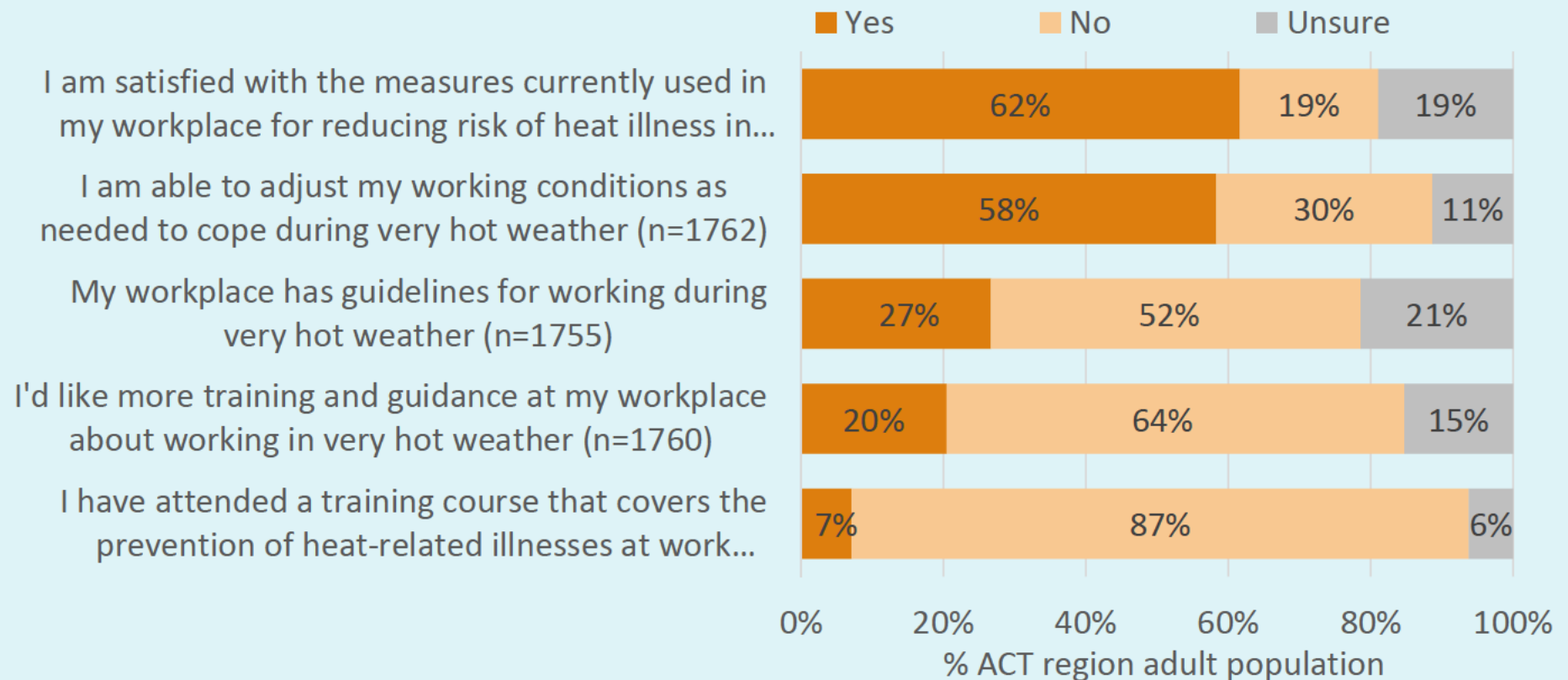


■ % who found it difficult to do this to help cope with heatwaves



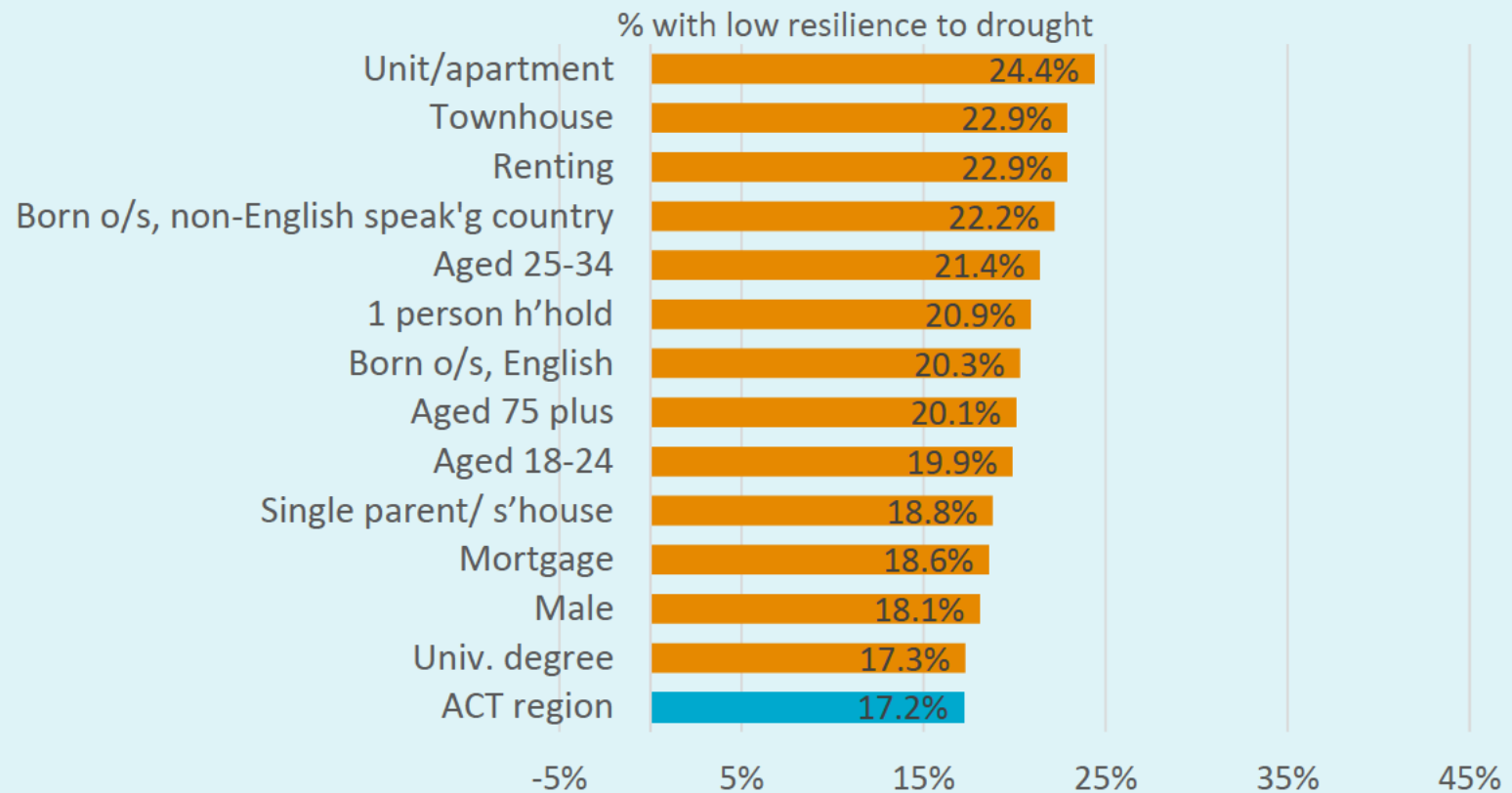
Heatwave resilience

Who has good health, residential infrastructure, heatwave refuges and heatwave coping strategies?



Drought resilience

Drought resilience by group – few differences

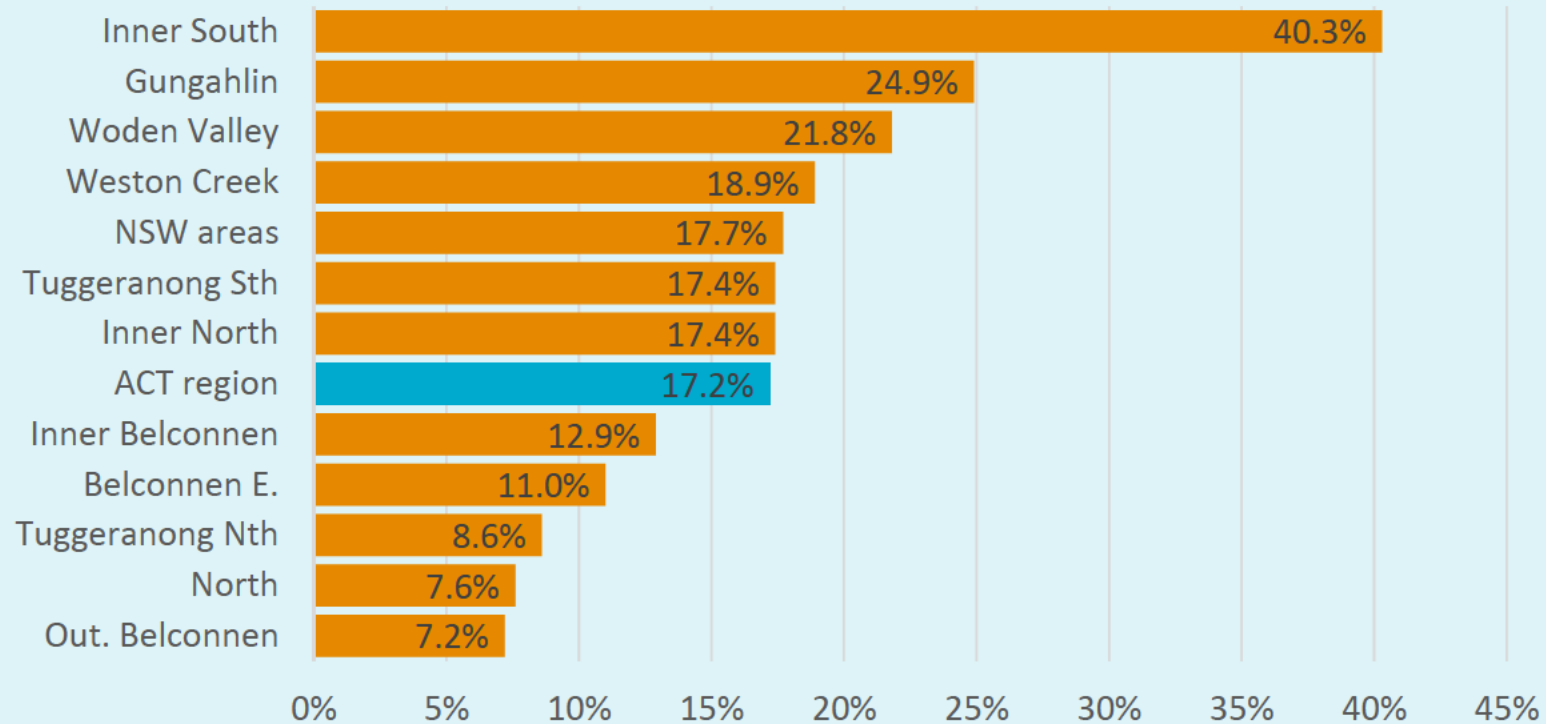


Drought resilience

Drought resilience by region

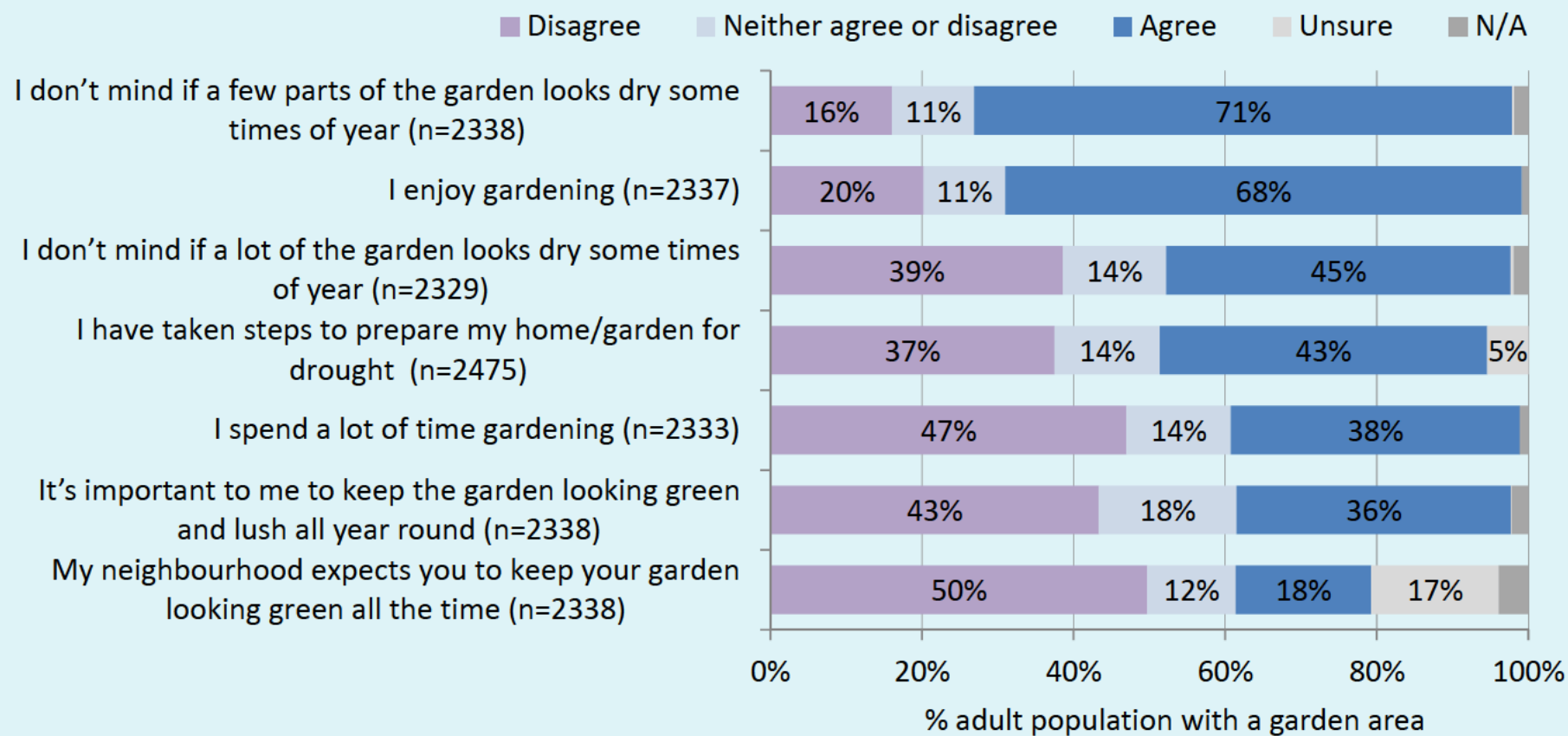


% with low resilience to drought



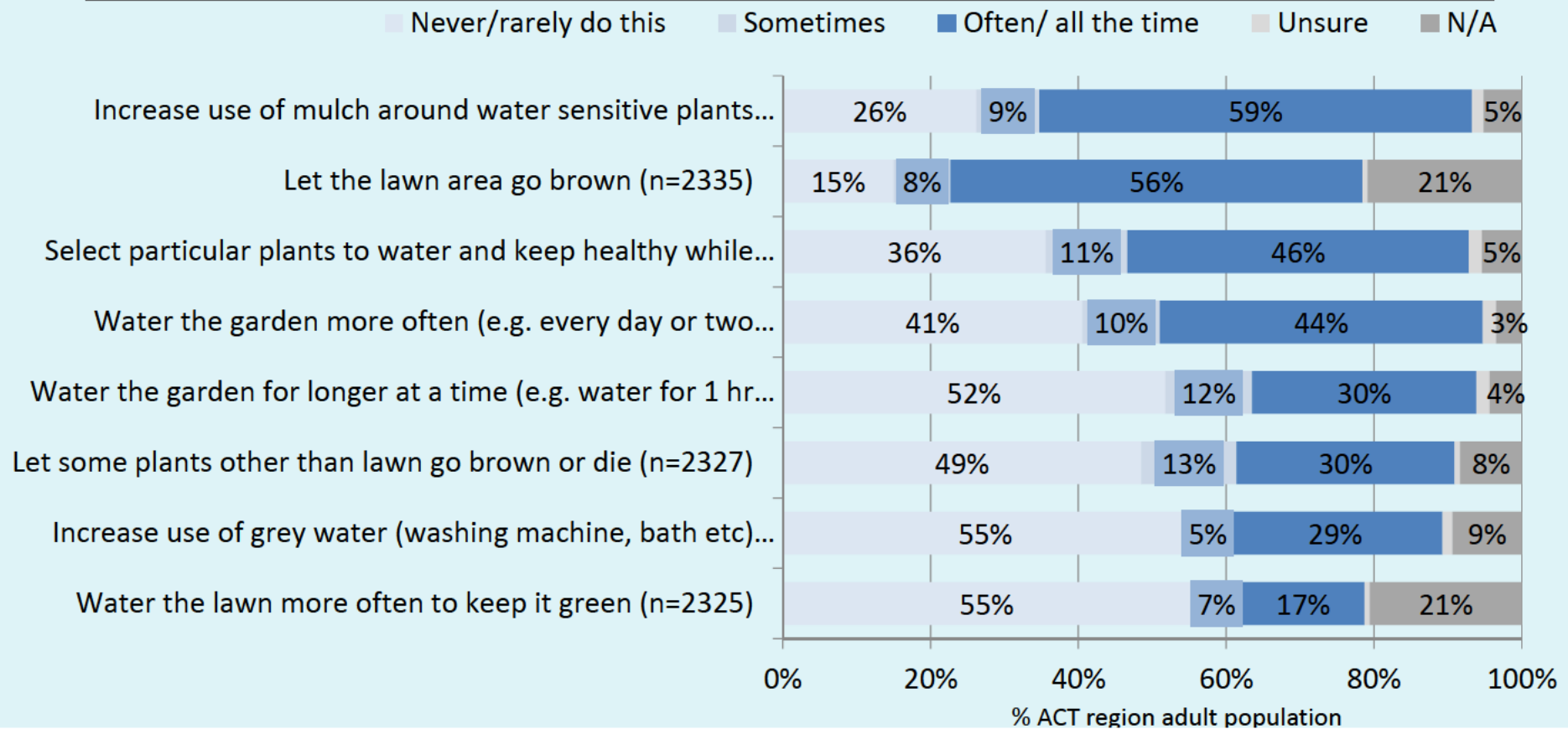
Drought resilience

What are our expectations for garden management during drought?



Drought resilience

Do gardeners use adaptive or maladaptive strategies to cope with drought?

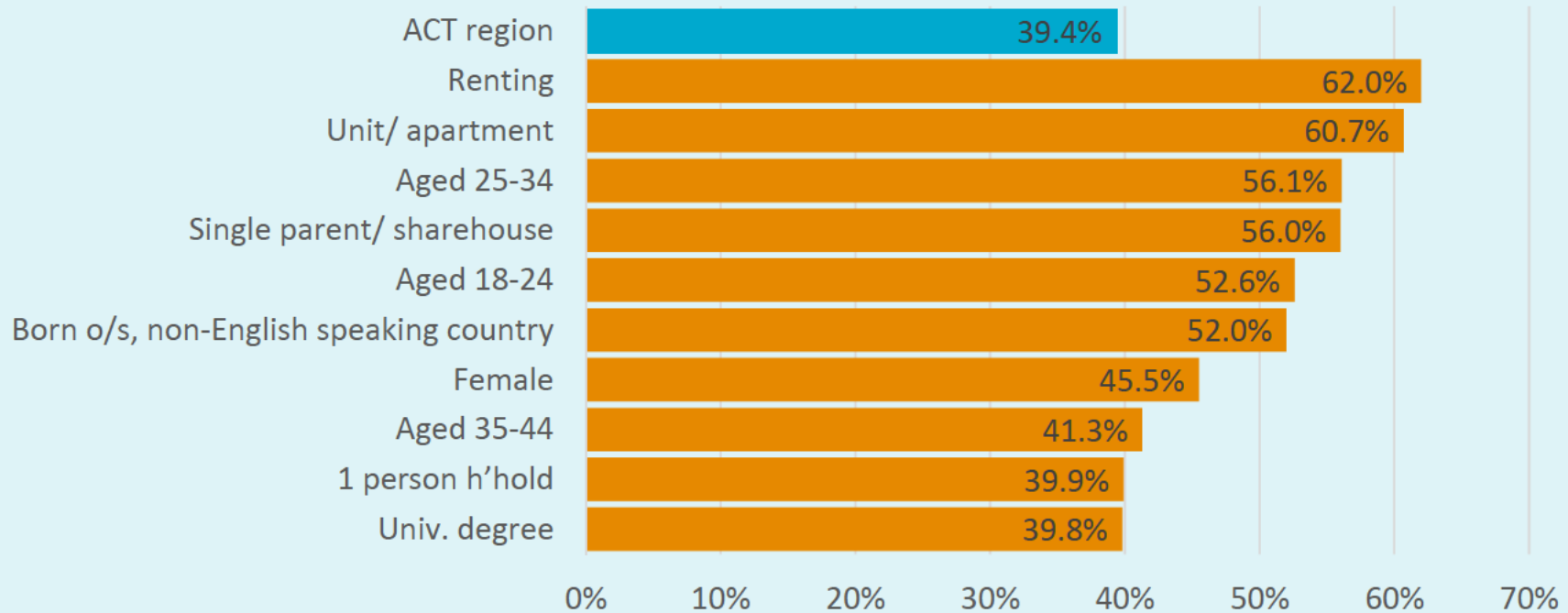


Extreme weather resilience

Extreme weather resilience by group



% with low resilience to extreme weather events

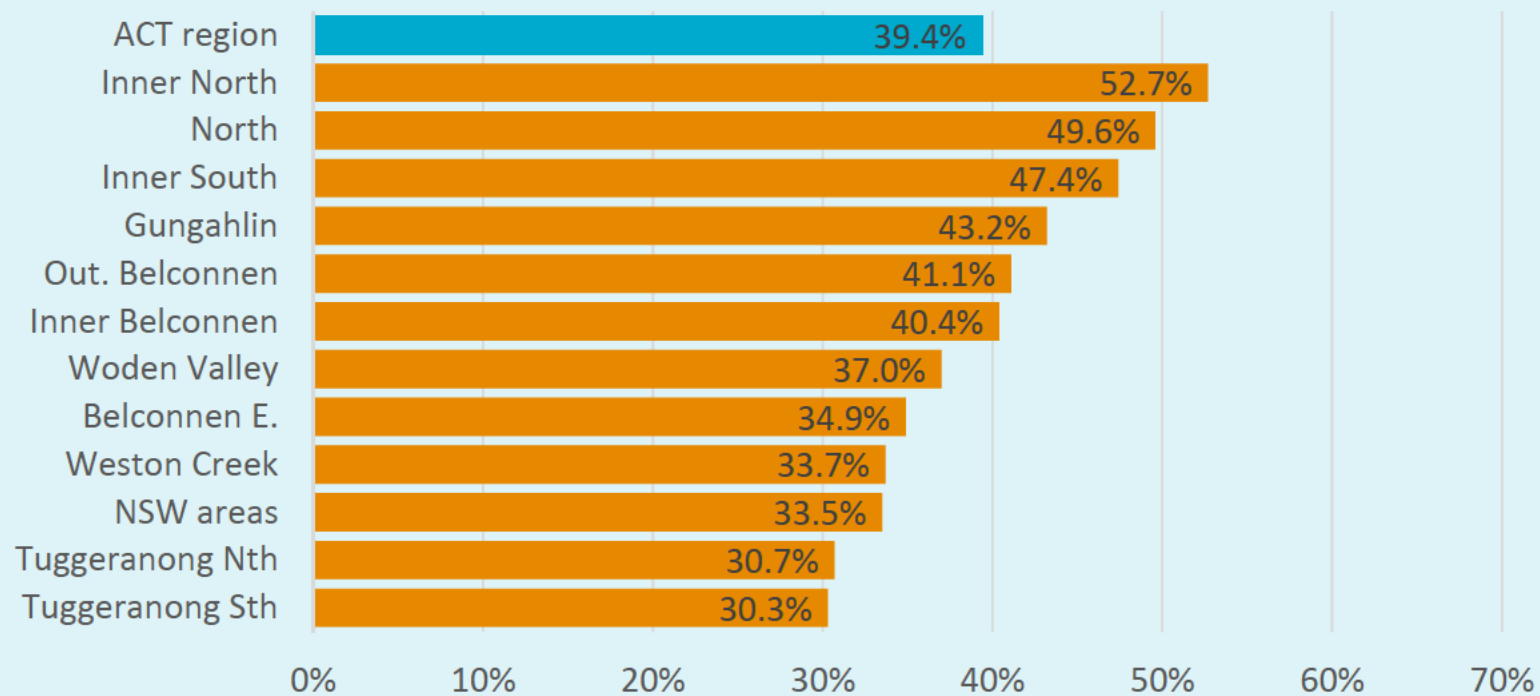


Extreme weather resilience

Extreme weather resilience by region

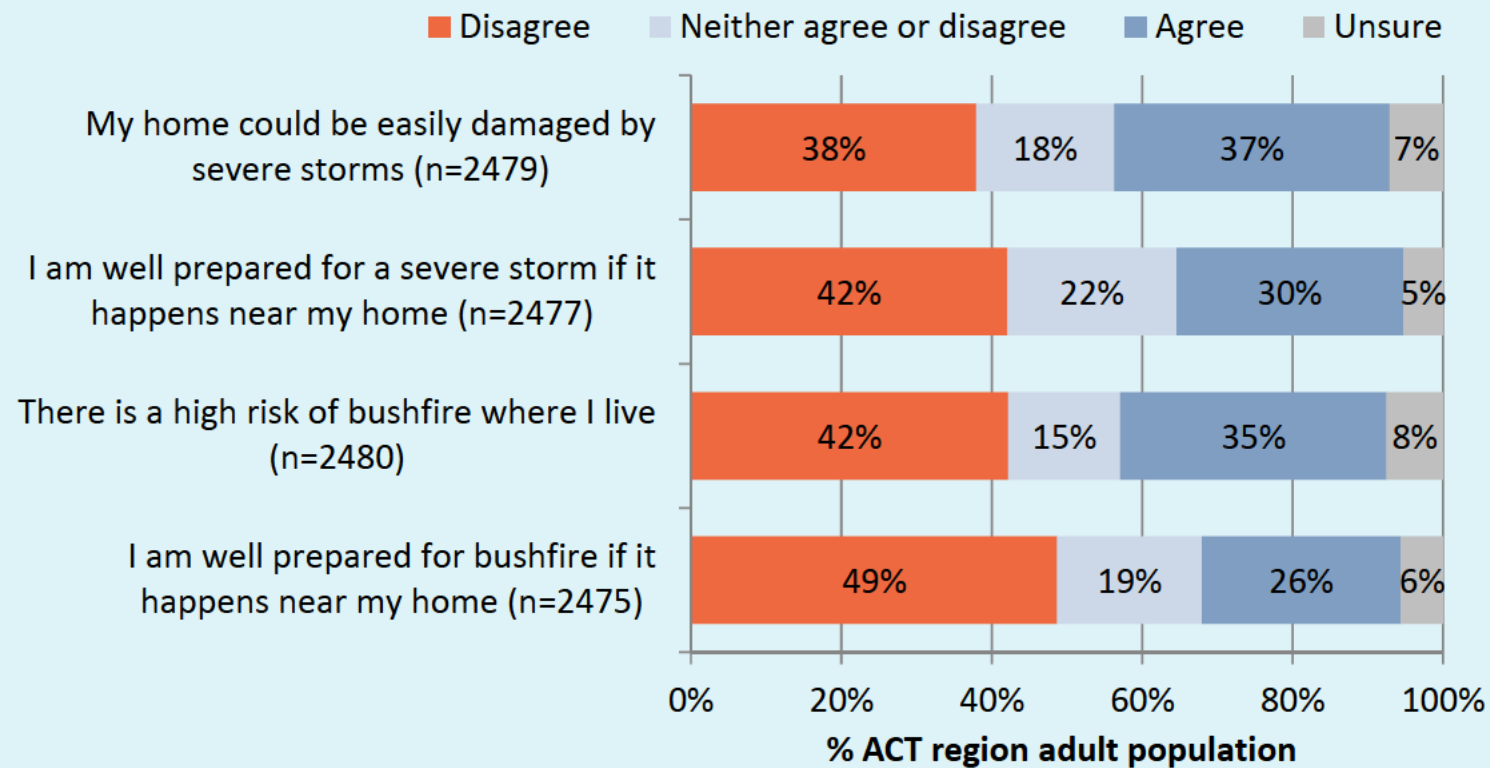


% with low resilience to extreme weather events



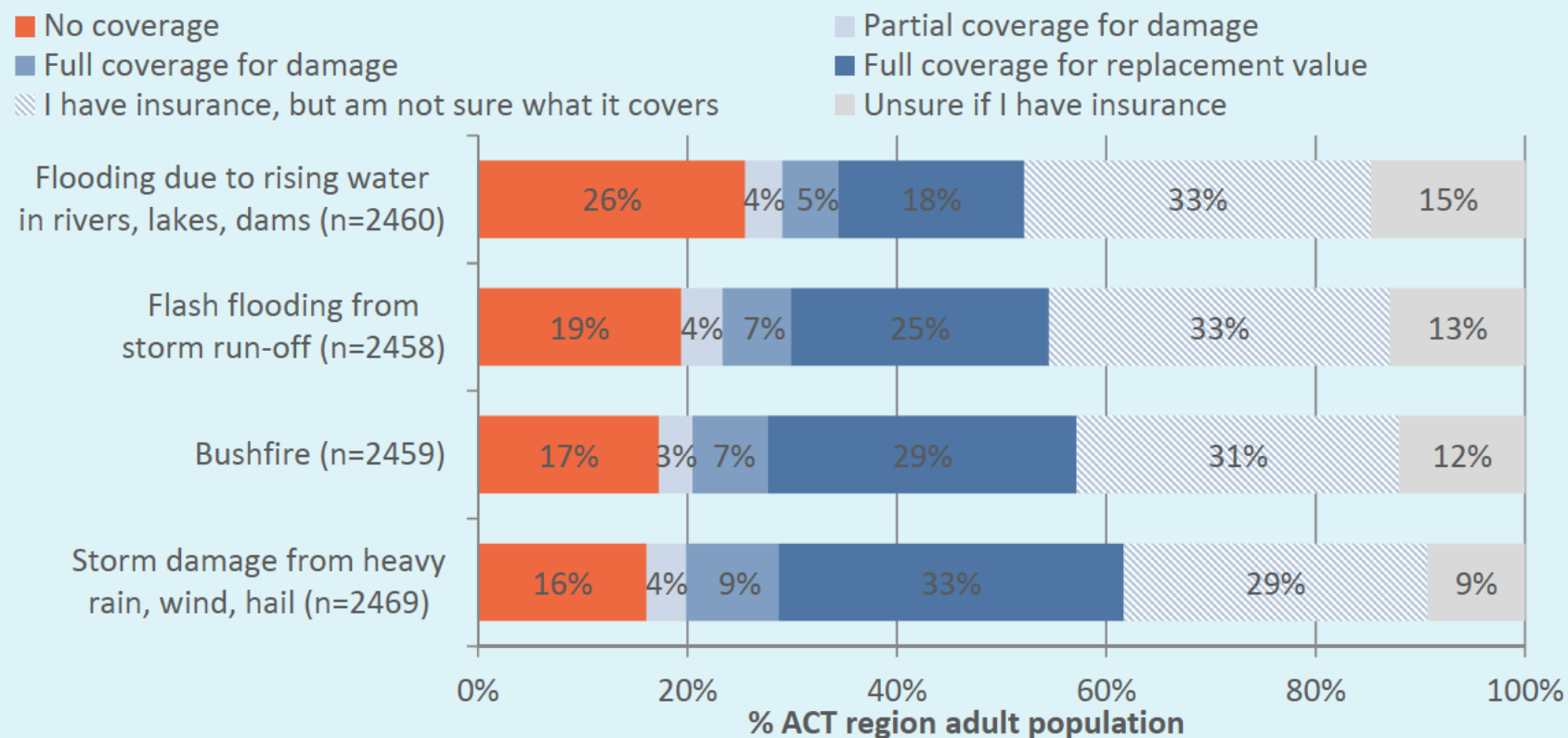
Extreme weather resilience

Many recognise they are unprepared for extreme weather



Extreme weather resilience

Insurance coverage often low or uncertain



Extreme weather resilience

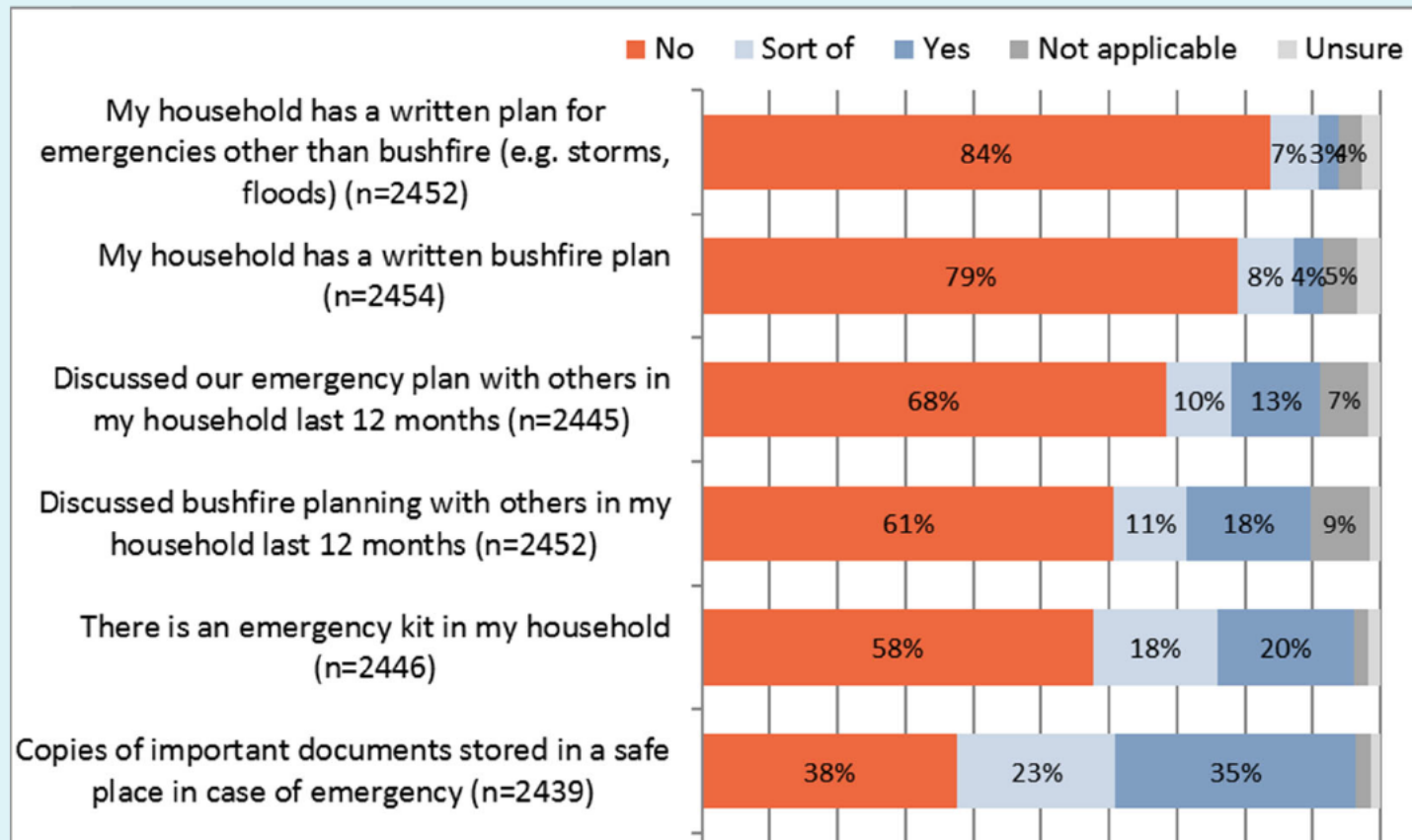
Insurance low amongst all renters, including those living in houses



	No coverage for bushfire	No coverage for flooding due to rising water	No coverage for flash flooding from storm run-off	No coverage for storm damage from heavy rain, wind, hail
Renter - living in a house (n=267)	47.6%	52.8%	51.5%	45.9%
Renter - living in a townhouse (n=93)	56.9%	59.5%	57.1%	55.0%
Renter - living in unit/apartment (n=168)	74.7%	75.2%	75.0%	72.8%
Mortgage holder or outright owner - living in a house (n=1418)	2.5%	15.5%	5.5%	3.9%
Mortgage holder or outright owner - living in a townhouse (n=186)	6.2%	19.0%	9.1%	4.2%
Mortgage holder or outright owner - living in a unit/apartment (n=100)	20.7%	28.0%	16.9%	10.3%

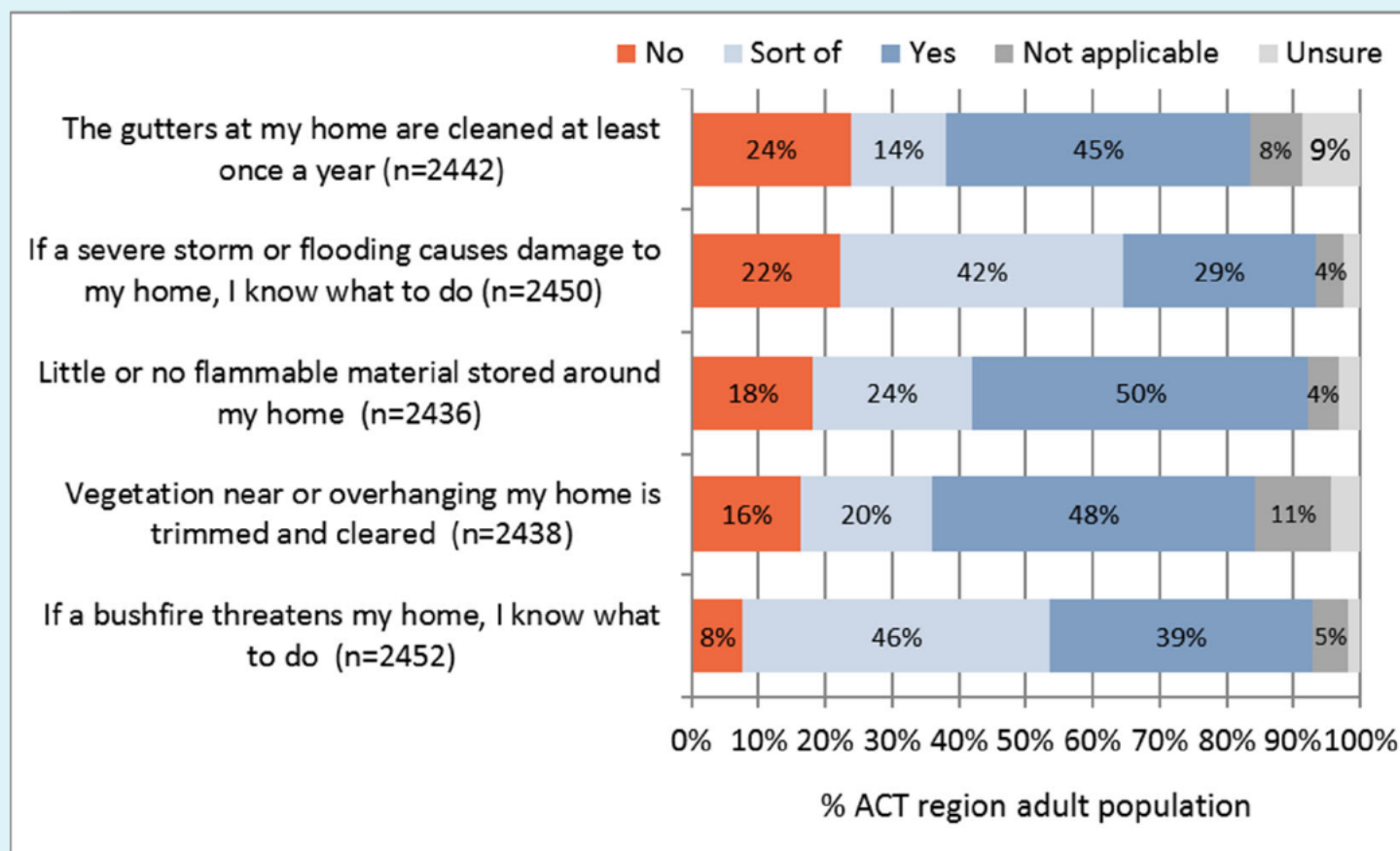
Extreme weather resilience

Planning for extreme weather events



Extreme weather resilience

Action taken to prepare home for extreme weather



Building resilience to climate change

What is needed, & by who?



Build confidence to take action

Residents want to act, but many don't feel confident about what to do – young people in particular

Improve 'fitness for purpose' of residential infrastructure

Many homes (houses, townhouses, apartments) highly vulnerable

Improve resilience of rental properties

Renters (29.8% of population) often most vulnerable & least able to adapt

Keep investing in preparedness

Preparedness for extreme weather events often low

Make adaptation affordable

Financial vulnerability big predictor of low climate change resilience

Access to heat refuges

Comfortable, easy to access public spaces

SURVEY RESPONSES

2,671 valid survey responses



Responses	Region
148	Belconnen East (<i>Evatt, Giralang, Kaleen, Lawson, McKellar</i>)
281	Belconnen Inner (<i>Aranda, Belconnen, Bruce, Cook, Florey, Hawker, Macquarie, Page, Scullin, Weetangera</i>)
240	Belconnen Outer (<i>Charnwood, Dunlop, Flynn, Fraser, Higgins, Holt, Latham, Macgregor, Melba, Spence</i>)
288	Gungahlin (<i>Amaroo, Bonner, Casey, Crace, Forde, Franklin, Gungahlin, Harrison, Jacka, Moncrieff, Ngunnawal, Nicholls, Palmerston</i>)
180	Inner North (<i>Acton, Ainslie, Braddon, Campbell, Canberra City, Reid, Turner</i>)
150	Inner South (<i>Barton, Deakin, Forrest, Griffith, Kingston, Narrabundah, Parkes, Red Hill, Yarralumla</i>)
224	North (<i>Dickson, Downer, Hackett, Lyneham, O'Connor, Watson</i>)
246	Tuggeranong North (<i>Fadden, Gowrie, Greenway, Kambah, Macarthur, Monash, Oxley, Wanniasa</i>)
220	Tuggeranong South (<i>Banks, Bonython, Calwell, Chisholm, Conder, Gilmore, Gordon, Isabella Plains, Richardson, Theodore</i>)
192	Weston Creek (<i>Chapman, Coombs, Duffy, Fisher, Holder, Molonglo, Rivett, Stirling, Stromlo, Stirling, Waramanga, Weston, Wright</i>)
191	Woden Valley (<i>Chifley, Curtin, Farrer, Fyshwick, Garran, Hughes, Isaacs, Lyons, Mawson, O'Malley, Pearce, Phillip, Torrens</i>)
113	ACT surrounds – NSW suburbs (<i>Googong, Jerrabombera, Queanbeyan</i>)
198	ACT rural & Capital region (<i>Rural ACT & rural NSW areas in Capital region</i>)
2671	TOTAL



MINISTERIAL BRIEF

**Environment, Planning and Sustainable
Development Directorate**

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To: Minister for Climate Change and
Sustainability

Tracking No.: 18/31741

Date: 16/11/2018

From: Executive Director Climate Change and Sustainability

Subject: Community Resilience Survey (longitudinal community survey on climate
change)

Critical Date: Routine

Critical Reason: In the usual course of business

- DG .../.../...
- DDG, Sustainability and the Built Environment .../.../...

Recommendations

That you:

1. **Note** the information contained in this brief, including Attachment A;
2. **Agree** to a media release and possible launch event with the University of
Canberra's Dr Jacki Schirmer at a suitable future time.

Noted / Please Discuss

Agreed / Not Agreed / Please Discuss

Shane Rattenbury MLA

15/12/18

Minister's Office Feedback

Please provide a copy of this brief to Ministers
Gentleman + Ramsay - Thanks.

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Background

1. As part of implementing the ACT Climate Change Adaptation Strategy, the University of Canberra's Dr Jacki Schirmer, Associate Professor Health Research Institute & Institute for Applied Ecology, was commissioned to develop and then undertake a community survey on resilience to climate change.
2. The survey and analysis was completed in 2018 and the report is at [Attachment A](#).

Issues

3. The survey was representative of the community in demographics and geographic spread with a high participation rate of 2671 respondents.
4. Key findings are synthesised in the report's Executive Summary with the following interesting highlights:
 - a. 30% of respondents have low or very low overall resilience; which among other factors is linked to poor quality rental housing; and
 - b. 90% of respondents think the government should introduce stricter regulations to make new buildings perform better to protect people from climate extremes.
5. This survey sets the benchmark for community resilience in 2018 and helps determine where more work is needed. For example providing easy access to safe, free, cool public places in a heatwave and helping to build confidence for individuals to know what to do before, during and after extreme climate events.
6. Consequently, the findings are influencing actions in the new *ACT Climate Change Strategy to 2025* and *Canberra's Living Infrastructure Plan*, as well as EPSDD's ongoing Sustainability (Actsmart) programs and community engagement on climate change.
7. This was the first in a series of surveys over time (longitudinal survey). Repeating the survey with the exact or very similar questions is necessary to measure progressive change over time. The next survey should be conducted in 2023 as part of the new climate change strategy.
8. This longitudinal community survey measuring resilience to climate change impacts is a first in Australia. The data, managed by Canberra University in accordance with ACT Government data storage and access requirements, will be available for further future research.

Financial Implications

9. There are no financial implications arising from this brief.

ConsultationInternal

10. The UC project team presented to EPSDD as part of a regular seminar series on 23 October 2018, refer to presentation at [Attachment B](#).

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Cross Directorate

11. The project's interim findings have been provided to the Climate Change Steering Committee (of Directors-General) and Working Group (of senior officers), and the key final findings will be presented at their meetings later this year.

External

12. There have been no external communications since completion of the survey, however as it provides key research for the new *Climate Change Strategy to 2025*, it is desirable to make the document publicly available on EPSDD's Environment web page.
13. A media release will increase awareness and encourage actions across the community. Further opportunities to inform the community and key stakeholders include through the ACT Climate Change Council and the Climate Change Ministerial Advisory Group.

Work Health and Safety

14. There are no work, health or safety implications arising from this brief.

Benefits/Sensitivities

15. The findings show that despite a high degree of awareness and willingness to act, the community, including ACT Government employees, lack the confidence to act to make themselves more resilient. This is an issue to be addressed with a whole-of-government approach.

Communications, media and engagement implications

16. Pending your decision on recommendation 3, a media release and/or function brief will be prepared in consultation with your office.

Signatory Name:	Gene McGlynn	Phone:	54752
Action Officer:	Catherine Keirnan	Phone:	71791

Attachments

Attachment	Title
Attachment A	Report <i>Living well with a changing climate: Findings of the 2018 ACT Longitudinal Survey on Climate Change</i> , July 2018
Attachment B	Power point presentation <i>ACT Longitudinal Survey on Climate Change</i> , 23 October 2018