

Report

Heat Dome Impact and Preparedness



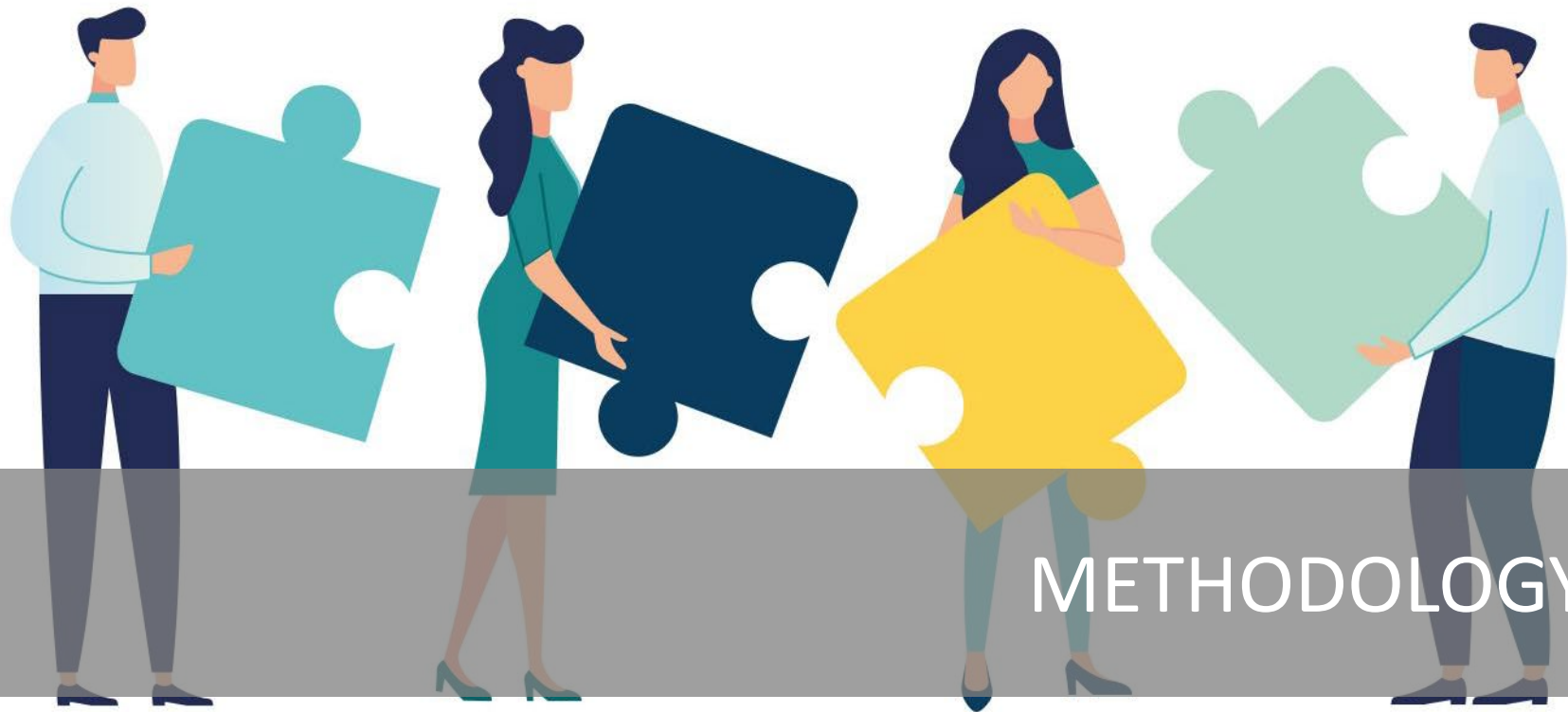
DATE June 2022

Leger

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METHODOLOGY

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Online surveys with British Columbia residents were conducted via Leger's online panel, LEO.



From June 17th to June 19th, 2022.



1,002 residents of BC that are 18 years of age or older.



Using data from the 2021 Census, results were weighted according to, age, gender, and region in order to ensure a representative sample of the population in British Columbia.



No margin of error can be associated with a non-probability sample. However, for comparative purposes, a probability sample of 1,002 respondents would have a margin of error of $\pm 3.1\%$, 19 times out of 20.



Key Findings

Key Findings



Last year, British Columbians were negatively impacted by the heat dome

- Two-thirds of BC residents experienced negative effects from last year's heat dome.
- Three-quarters of BC residents reported suffering at least one heat-related ailment.



Concern for another heat dome is high, especially for those with lower household income

- Just under two-thirds of BC residents are concerned that a heat dome will occur in 2022.
- Younger BC residents (aged 18-34), those who have lower household income (under \$40,000), and women are the most concerned.



BC residents learned from 2021 and have prepared for another heat dome, but those with lower income are less prepared than others

- Over three quarters of BC residents report that they are prepared, either very or somewhat, to protect themselves if another heat dome were to happen tomorrow.
- Most who make over \$80,000 a year (over 8 in 10) report being prepared, which is higher than those with lower levels of household income.



Only one-half of British Columbians believe that emergency responders would respond without delay in a heat-related emergency

- Personal preparedness for another heat dome plays a role with one-half of those who claim they are prepared for a heat dome having confidence in emergency response time, compared to only one-third of those who claim they are not prepared

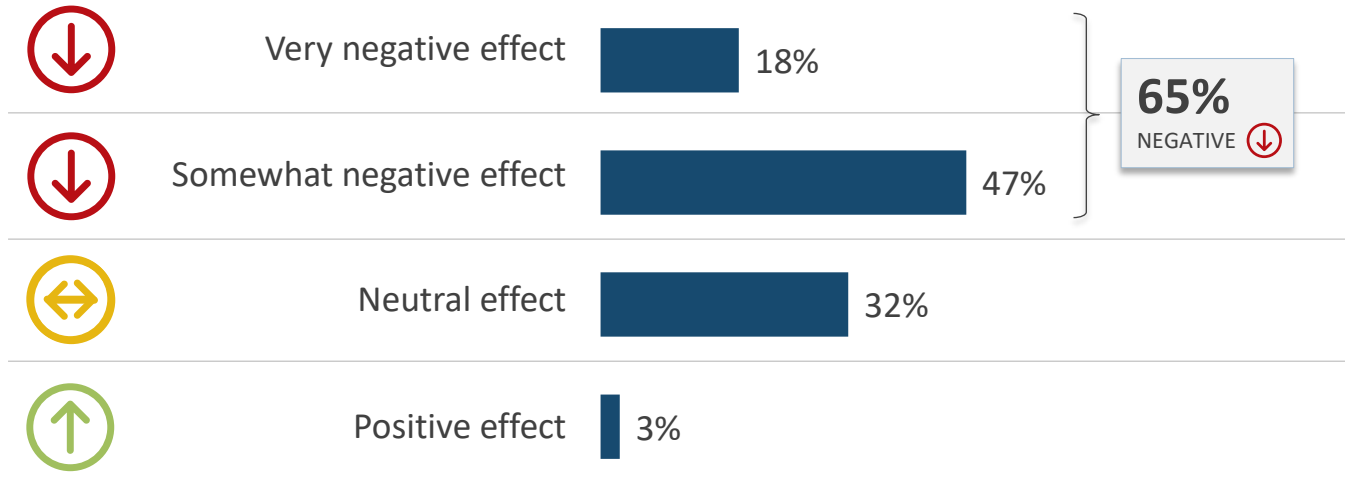


Detailed Results



HEAT DOME IMPACT 2021

Two-thirds of British Columbians feel that the heat dome in 2021 had a negative impact on themselves and their family.





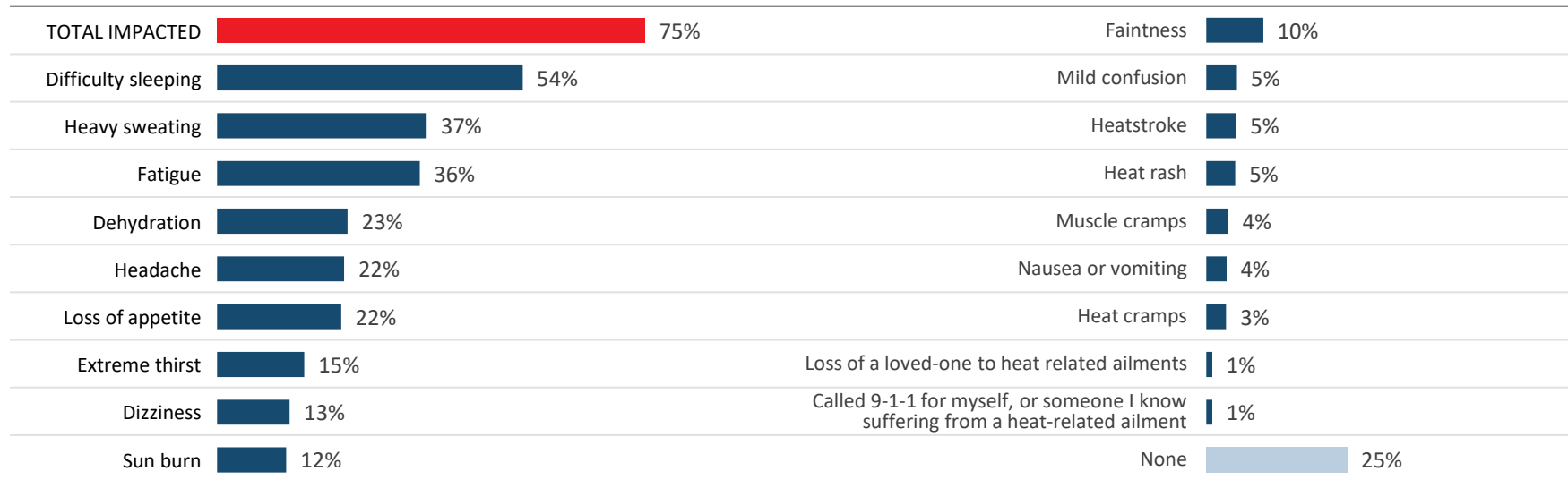
HEAT DOME IMPACT 2021

Three-quarters of British Columbians personally experienced a heat related ailment from the heat dome. Difficulty sleeping was the most commonly felt impact, with over one-half of respondents suffering it. Heavy sweating and fatigue round out the top-three for most experienced impacts.



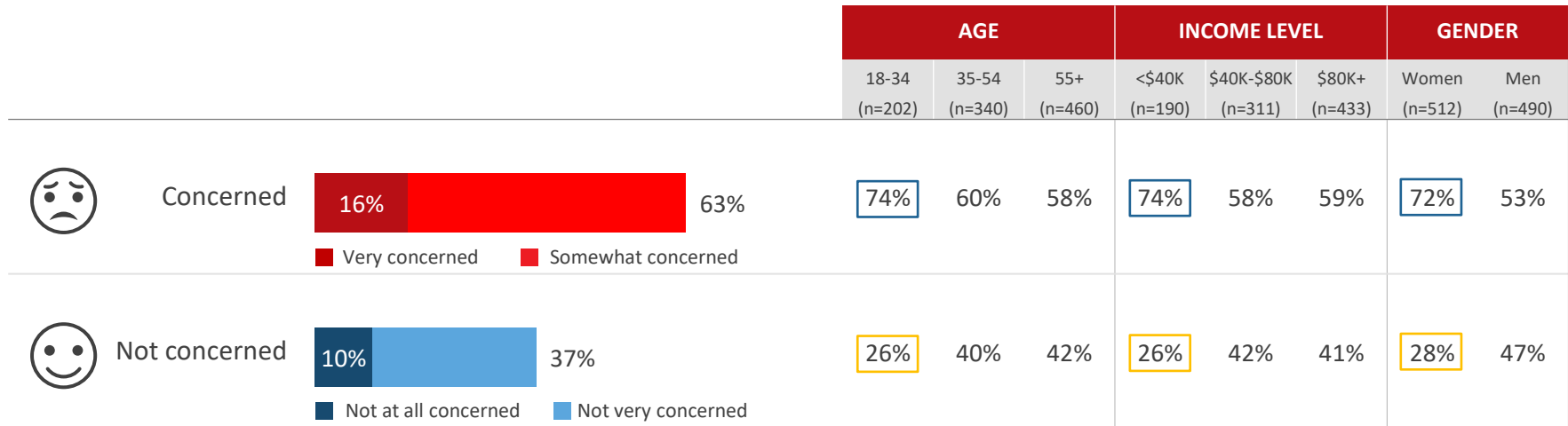
AVERAGE
IMPACTS
EXPERIENCED

2.7



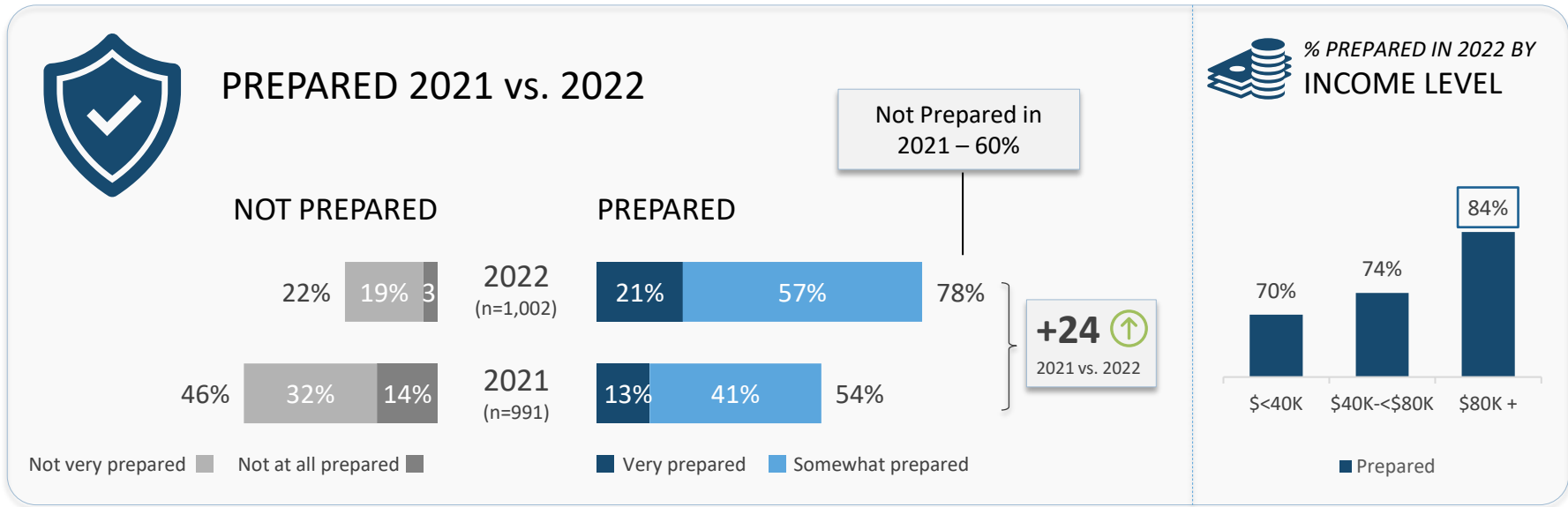
CONCERN ABOUT 2022 HEAT DOME

Just under two-thirds of British Columbians are concerned about another heat dome happening in 2022, a number that mirrors the proportion of British Columbians who experienced negative impacts in 2021. Age, income level and gender all play a role in level of concern, with younger residents aged 18-34, residents with lower levels of income and women all expressing more concern that BC will experience another heat dome.



HEAT DOME PREPERATION 2021 vs. 2022

British Columbians learned from their experience dealing with the 2021 heat dome, as over three-quarters of British Columbians report being prepared for another heat dome event, 24 points higher than what they reported for 2021. Among those who report not being prepared for the 2021 heat dome, 6 in 10 claim that they are now prepared. Income plays a role in preparation, with a higher proportion of those earning more being prepared.



Base: British Columbians.

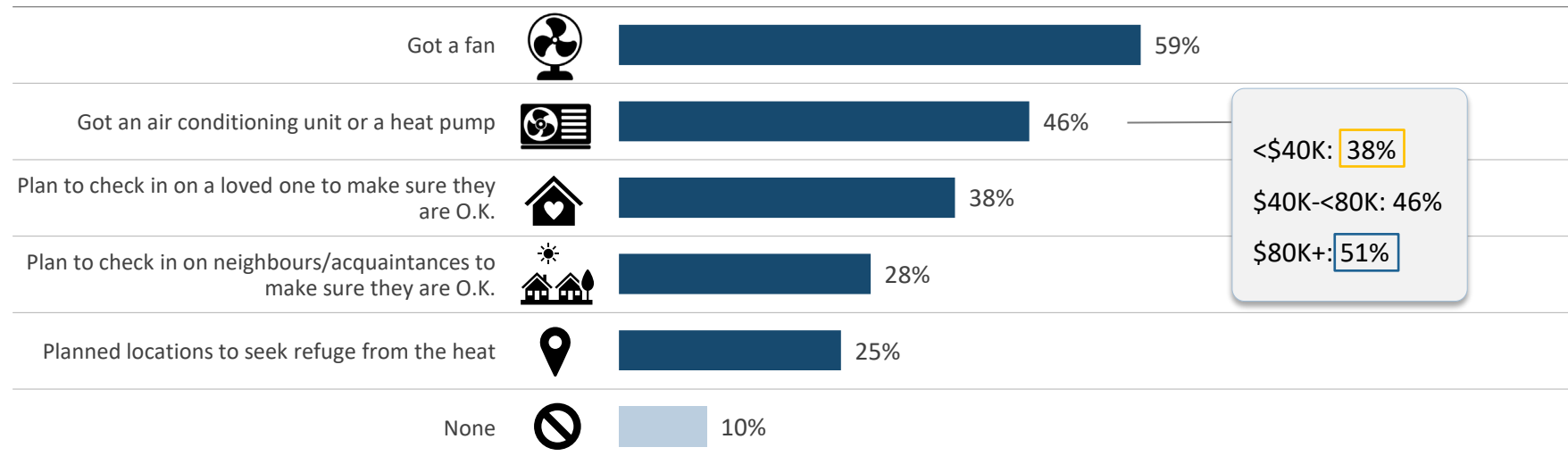
Q5. If British Columbia were to experience another heat dome event tomorrow, how prepared would you be to protect yourself from its impacts?

Q2. Thinking back, how prepared would you say you were to handle the impacts of the heat dome last year?

PREPARATIONS FOR 2022

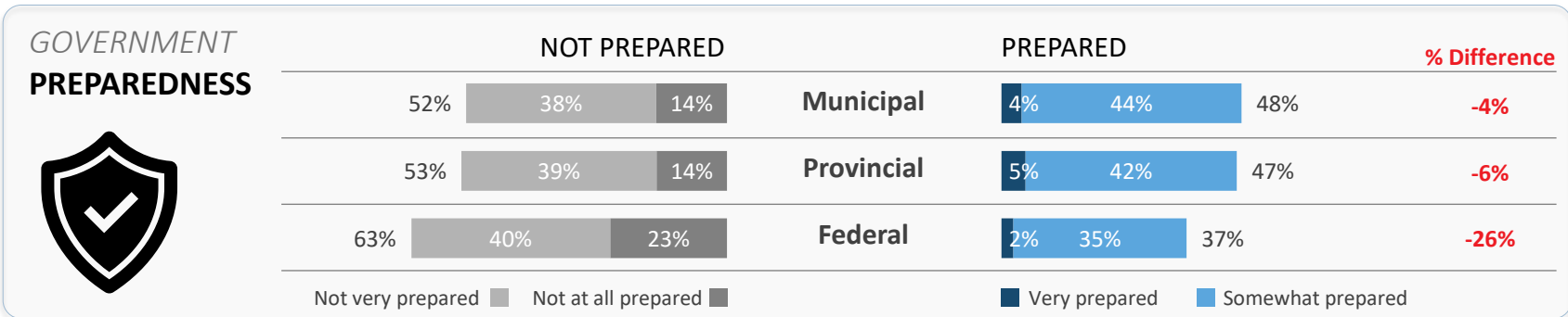
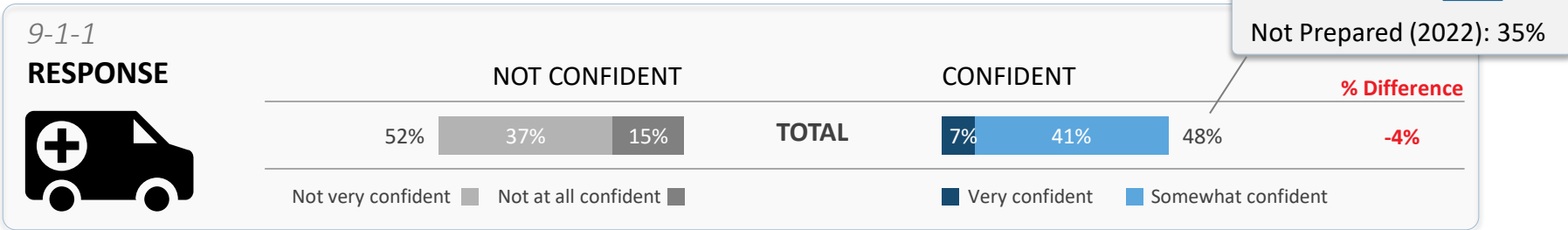
British Columbians have done a lot to prepare for another heat dome, with the most common form of preparation being getting a fan. Income disparities again play a role in BC residents' ability to prepare; When compared to those who have the lowest levels of income, a higher proportion of those who make \$80,000 a year or more own an AC unit or a heat pump.

PREPARATIONS TAKEN



GOVERNMENT PERFORMANCE AND FUTURE PREPAREDNESS

British Columbians are split on how confident they are in emergency responders' ability to respond to a heat-related call without delay. Interestingly, higher levels of those who feel they are prepared for another heat dome are more confident with emergency responders' speed than those who are not. Overall, BC residents' confidence in the government's preparedness to handle another heat dome is mixed, but lower for the Federal government.



Base: British Columbians (n=1,002).

Q7. If you had to call 9-1-1 due to a heat related ailment, how confident are you that emergency responders would reach you without delays?

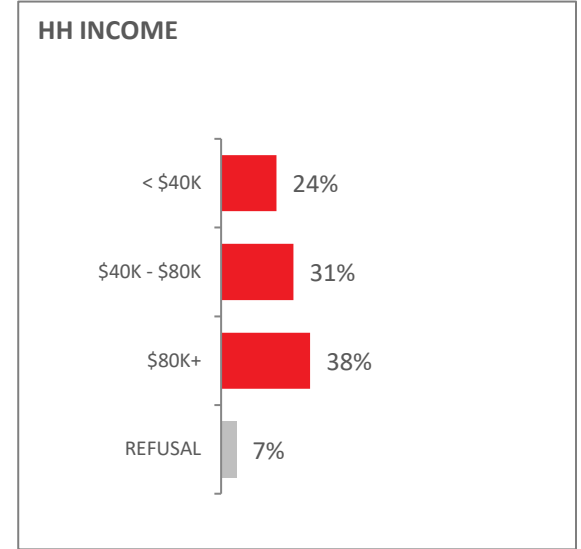
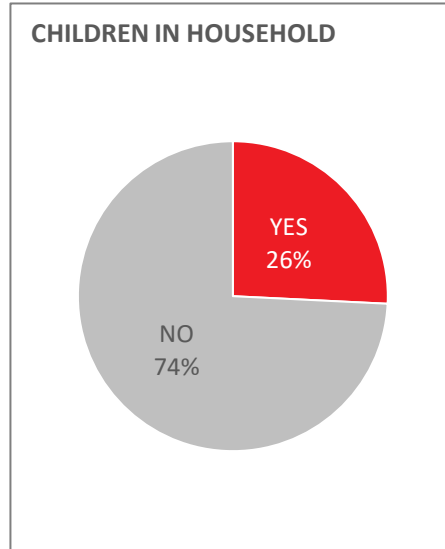
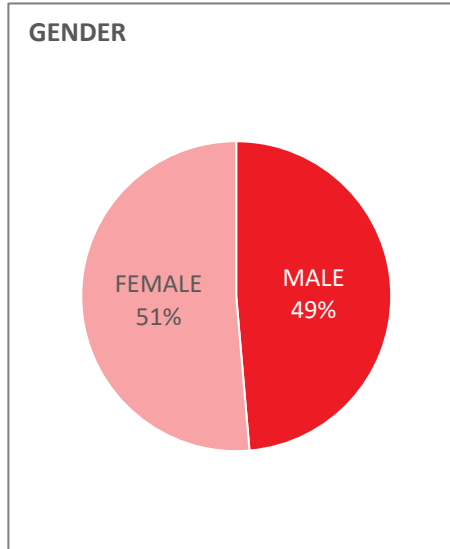
Q8. How prepared do you think each government level will be in handling another heat dome event?

 Statistically significantly higher than comparison group.
 Statistically significantly lower than comparison group.

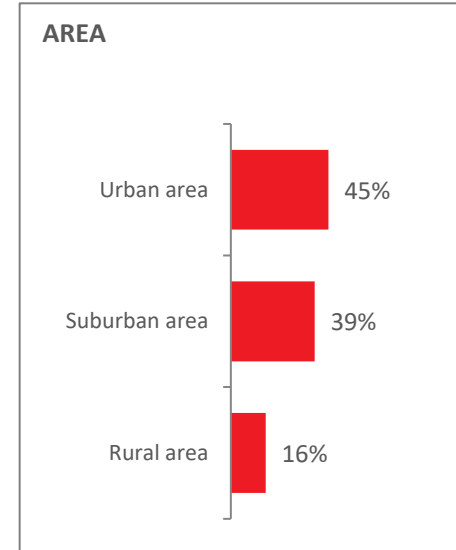
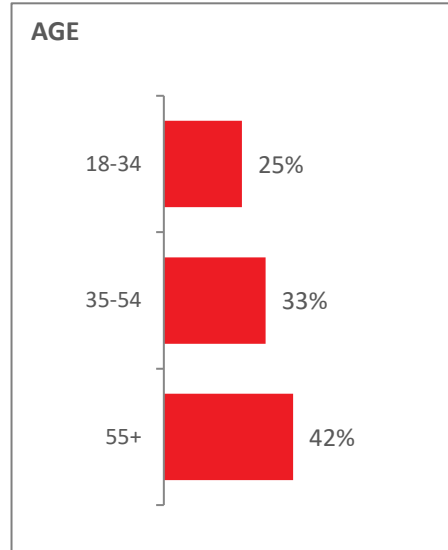
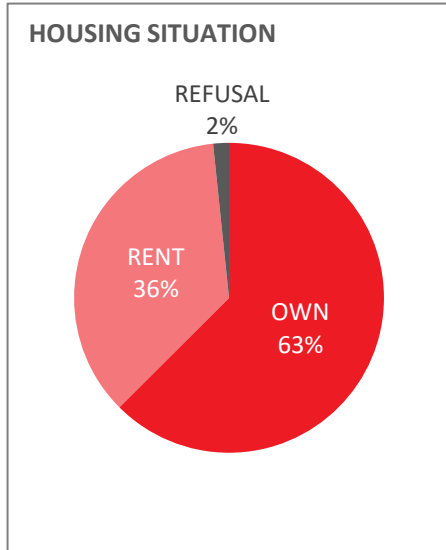


RESPONDENT PROFILE

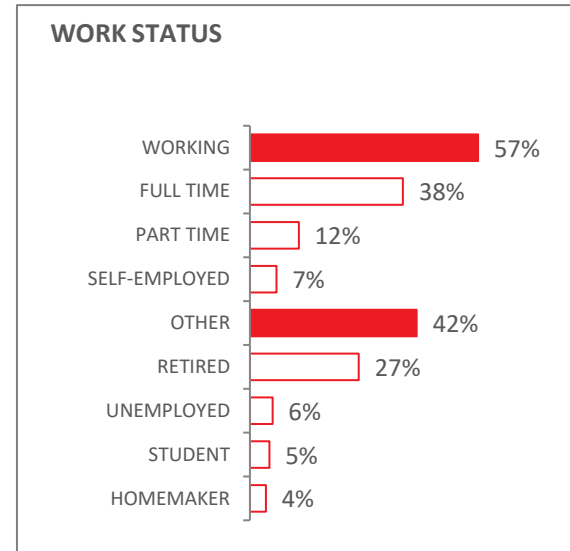
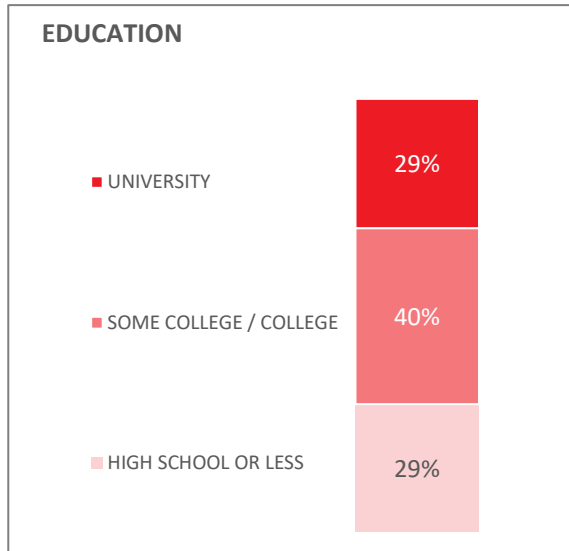
Respondent Profile



Respondent Profile



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