

Opinion **Dynamics**

AMEREN ILLINOIS INCOME QUALIFIED PARTICIPANT NON-ENERGY IMPACTS

Study Design, Pre-Period
Results and Updates



October 20, 2022



Introduction

Evaluate participant NEIs from participation in the AIC IQ Initiative

- Single Family Core Channel
- Estimate health, safety, comfort, and economic metrics
- HVAC and/or insulation upgrades

Research Topics

- Household characteristics (household income, ownership, etc.)
- Concerns paying energy bills
- Strategies to pay various household bills
- Building safety and indoor conditions
- Physical and mental health levels

Methods

Quasi-experimental, pre-post design

Pre-Period Survey	Treatment Group (2021 participants) Respondents	Comparison Group (2019 participants) Respondents	Response Rates
Wave 1	75	42	28%
Wave 2	49	91	24%
Wave 3	22	20	19%
Wave 4	59	46	27%
Total	205	199	25%

Analysis Plan

Change in NEI Metric Due to Initiative

$$= (Treatment_{Post} - Treatment_{Pre}) - (Comparison_{Post} - Comparison_{Pre})$$

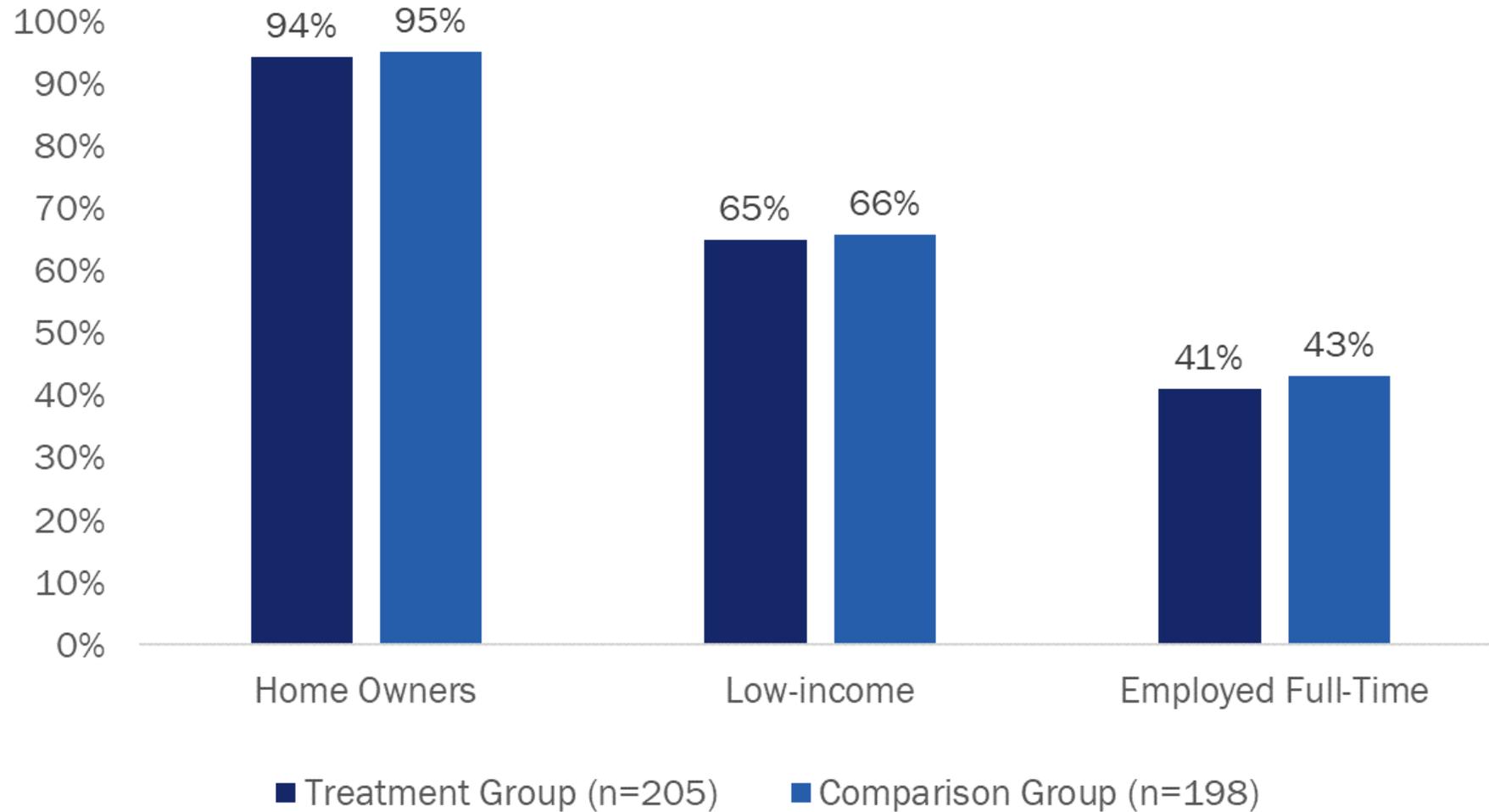


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TREATMENT GROUP CUSTOMERS ARE SIMILAR TO COMPARISON GROUP CUSTOMERS ACROSS KEY DEMOGRAPHICS

Pre-Period Findings: Demographics

Employment Status of Respondents' Household Members





TREATMENT GROUP CUSTOMERS USE DIFFERENT STRATEGIES TO PAY FOR ECONOMIC NEEDS AND THOSE STRATEGIES DIFFER BY INCOME LEVEL

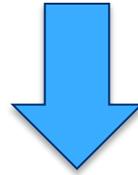
Pre-Period Findings: Economic and Energy Security

Strategies Households Used to Pay for Basic Needs in Past Year

Low-income: treatment group compared to comparison group:



Reduce energy usage



Cut back on needed spending



Use public program assistance



Use savings meant for other things

Moderate income: treatment group compared to comparison group:



Use savings meant for other things



Using a credit card

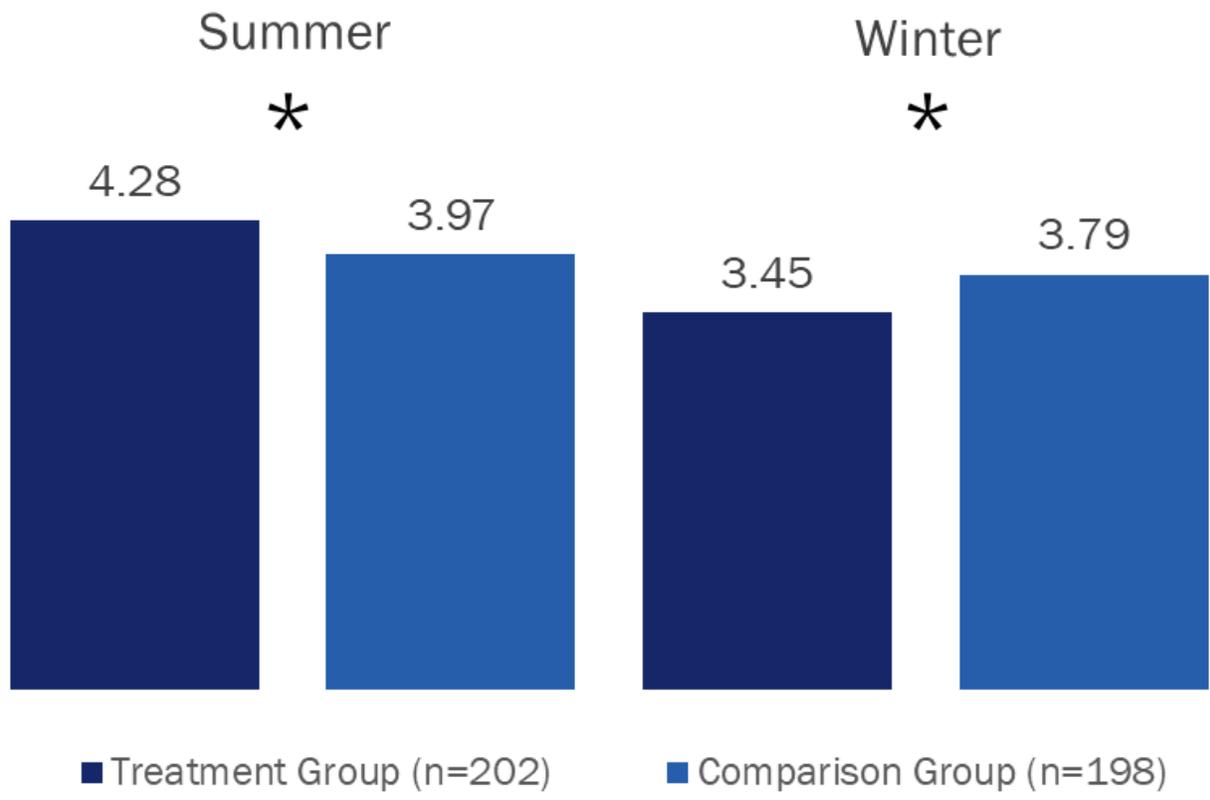


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TREATMENT GROUP CUSTOMERS WERE LESS COMFORTABLE IN THEIR HOMES

Pre-Period Findings: Health and Safety

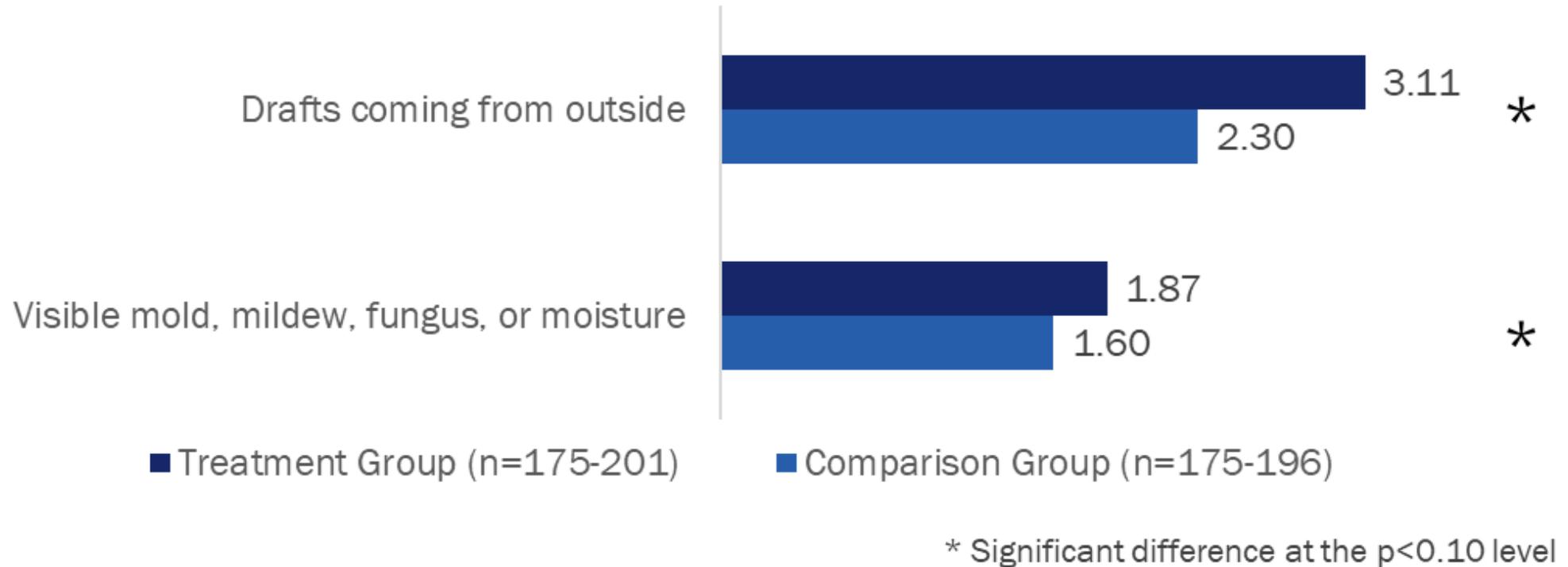
Typical Indoor Temperature During the Past Summer and Winter



* Significant difference at the p<0.10 level

Note: Scale ranged from 1= “Very Cold,” 4= “Comfortable,” to 7= “Very Hot”

Typical Experiences Inside the Home During the Past Year



Note: Scale ranged from 1 "Never" to 5 "All the Time"

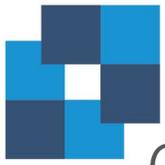


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NEXT STEPS

Next Steps

- Finish fielding the post-period survey
- Perform literature review for NEI monetarization
- Compare results from pre- and post-period surveys



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