

LABarometer

Urban Shade Report

SHADE AND TREE PLANTING ATTITUDES

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Background and Methods

This report presents findings from the fifth wave of the LABarometer Mobility & Sustainability survey, with a focus on heat, shade, and support for tree planting and maintenance in Los Angeles County.

The LABarometer Mobility & Sustainability survey tracks environmental sustainability, transportation behavior, and climate vulnerability in L.A. County – inspired by county-wide efforts to reduce automobile congestion and increase resilience to climate change in the region. The survey covers a variety of topics, including heat and pollution exposure, natural disaster preparedness, pro-environmental behavior, transportation sentiment, transportation access and behavior, and the steps Los Angeles County residents are taking to adapt to climate change.

This report focuses on survey findings related to heat, shade, and trees. Since 2020, we have asked respondents to rate the level of shade in their neighborhood and at local transit stops and to report any symptoms of heat exposure. This year, we collaborated with USC Public Exchange, the L.A. County Chief Sustainability Office, the City of Los Angeles Office of Forest Management, and the U.S. Forest Service Pacific Southwest Research Station to add questions on tree planting and maintenance. Respondents were asked to rate their level of support for spending a higher portion of their city's funds on tree planting and maintenance, both in their neighborhood and in high-need neighborhoods. Respondents were also asked to identify what they perceive as the three most important benefits of trees for their neighborhood.

To contextualize respondents' perceptions and attitudes, we linked survey responses to neighborhood-level measures of tree canopy coverage (percent of census tract covered by trees) using respondent geocodes. These measures are included in the statistical analyses (pp. 16-22) and were provided by the L.A. County Chief Sustainability Office.

Survey Methodology

All LABarometer surveys are fielded to the LABarometer Panel, a probability-based Internet panel of adults living in households throughout Los Angeles County. From 2019 to 2022, LABarometer survey waves comprised four surveys, fielded three to six months apart. The surveys covered the following topics: Livability, Mobility, Sustainability & Resilience, and Affordability & Prosperity.

In 2022, LABarometer moved to a biannual survey frequency and the four surveys were combined and reduced in size to two surveys, one on Livability & Affordability and one on Mobility & Sustainability. The Mobility & Sustainability survey is fielded in January or February of each year, and the Livability & Affordability Survey is fielded in July or August of each year. Field periods range from 8-12 weeks

All LABarometer surveys are fielded in English and in Spanish. To participate in a survey, panel members can use any computer, cell phone, or tablet with Internet access. The majority of panel

members have their own Internet access. Panel members who do not have access to Internet are provided with an Internet-enabled tablet to ensure their regular participation in surveys.

Sample Information

Wave 5 of the Mobility & Affordability survey was fielded from February 19, 2025 – April 27, 2025, and a total of 1,347 Los Angeles County residents participated. Participants were recruited from the LABarometer Panel and the survey completion rate was 72%.

Survey Weights

The method for creating sample weights for the tracking survey follows the general procedure for UAS surveys described [in CESR's online methodology documentation](#). Sample weights are constructed in two steps. First, we calculate a base weight that corrects for unequal probabilities of selection of different households into the UAS. Second, we generate post-stratification weights, which align sample distributions of key demographics, namely gender, race/ethnicity, age, and education, with their population counterparts. Population benchmarks are derived from the Basic Monthly Current Population Survey (CPS). The provided sample weights bring the sample in line with the L.A. County adult population.

About the Panel

The LABarometer Panel is a probability-based, Internet panel of approximately 2,000 adults living in households throughout Los Angeles County. It is a sub-panel of the Understanding America Study (UAS), a national Internet panel of ~15,000 Americans maintained by the USC Dornsife Center for Economic and Social Research. Following UAS procedures, LABarometer panel members are recruited in batches and refreshed through address-based sampling using postal codes. Eligible individuals are all non-institutionalized adults aged 18 and older living in a contacted household in Los Angeles County.

About LABarometer

LABarometer is a research center housed at the USC Dornsife Center for Economic and Social Research (CESR). We conduct basic and applied social science research on issues affecting Los Angeles County residents, with the aim of informing academic research, public discourse, and policy. At the heart of our research is the LABarometer Panel, a probability-based Internet survey panel of approximately 2,000 adults randomly selected from households throughout L.A. County.

LABarometer surveys are fielded to the LABarometer Panel on a biannual basis to monitor social and economic conditions in Los Angeles County. These longitudinal surveys focus on four dimensions of individual and community well-being: livability, affordability, mobility, and sustainability. LABarometer surveys include questions about residents' lives, their attitudes and behaviors, and the challenges they encounter in their communities, filling data gaps on topics ranging from housing insecurity and climate resilience to transportation behavior and the economy.

Perceptions of Shade in Neighborhood

Summary

Respondents were asked, “Please rate how strongly you agree or disagree with the following statement: There are enough trees in my neighborhood to provide adequate shade for walking on a hot sunny day.” Response options included Agree Strongly, Agree, Agree Somewhat, Neither Agree Nor Disagree, Disagree Somewhat, Agree, Disagree Strongly. To generate the tables below, response options were collapsed into the following three categories: Agree (Agree Strongly and Agree), Neither Agree Nor Disagree, Disagree (Disagree Strongly and Disagree).

Results: Nearly half of respondents (48%) agree that there are enough trees in their neighborhood to provide adequate shade for walking. Agreement is higher among homeowners, residents with a Bachelor’s degree or more, residents who are Non-Hispanic White, residents aged 65+, residents of Supervisor District 5, and Republicans. Notably, only age remains a significant predictor of shade perceptions in analyses with demographic controls (see p. 17).

Enough Tree Shade in Neighborhood, Total Sample:

| | All |
|------------|-------|
| % Agree | 48.0 |
| % Neither | 15.4 |
| % Disagree | 36.5 |
| N | 1,334 |

Enough Tree Shade in Neighborhood, by Housing Tenure:

| | Rent or lease | Own | Other |
|------------|---------------|------|-------|
| % Agree | 44.7 | 54.8 | 23.4 |
| % Neither | 18.3 | 11.7 | 14.5 |
| % Disagree | 37 | 33.5 | 62.1 |
| N | 592 | 641 | 20 |

Enough Tree Shade in Neighborhood, by Household Income:

| | <\$30k | \$30k-49,999 | \$50k-99,999 | \$100k+ |
|------------|--------|--------------|--------------|---------|
| % Agree | 38.7 | 55.6 | 44.3 | 54.9 |
| % Neither | 20.9 | 18.1 | 16.7 | 8.6 |
| % Disagree | 40.4 | 26.4 | 39 | 36.5 |
| N | 282 | 195 | 361 | 495 |

Enough Tree Shade in Neighborhood, by Education:

| | HS graduate or less | Some college | BA+ |
|-----------|---------------------|--------------|------|
| % Agree | 42.5 | 48.5 | 53.2 |
| % Neither | 21.6 | 15.1 | 9.6 |

| | | | |
|-------------------|------|------|------|
| % Disagree | 35.9 | 36.4 | 37.2 |
| N | 225 | 434 | 675 |

Enough Tree Shade in Neighborhood, by Race/Ethnicity:

| | NH White | NH Black | NH Asian | NH Other | Hispanic/Latino |
|-------------------|-----------------|-----------------|-----------------|-----------------|------------------------|
| % Agree | 55.4 | 38.4 | 44.6 | 49.4 | 45.5 |
| % Neither | 9.6 | 27.2 | 12.9 | 18.1 | 18.3 |
| % Disagree | 35.1 | 34.4 | 42.5 | 32.5 | 36.2 |
| N | 437 | 97 | 201 | 57 | 541 |

Enough Tree Shade in Neighborhood, by Age:

| | 18-35 | 36-49 | 50-64 | 65+ |
|-------------------|--------------|--------------|--------------|------------|
| % Agree | 43.4 | 46.8 | 48.6 | 56.7 |
| % Neither | 20.7 | 15.3 | 15.2 | 7.9 |
| % Disagree | 36 | 38 | 36.2 | 35.4 |
| N | 310 | 418 | 353 | 250 |

Enough Tree Shade in Neighborhood, by Supervisor District:

| | 1st District | 2nd District | 3rd District | 4th District | 5th District |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| % Agree | 44.9 | 45 | 49.2 | 47.3 | 53.4 |
| % Neither | 17.5 | 18.3 | 12.9 | 13.4 | 15.6 |
| % Disagree | 37.6 | 36.8 | 37.8 | 39.3 | 31.1 |
| N | 297 | 254 | 211 | 279 | 246 |

Enough Tree Shade in Neighborhood, by Political Affiliation:

| | Democrat | Republican | Independent | Other |
|-------------------|-----------------|-------------------|--------------------|--------------|
| % Agree | 48.4 | 56.9 | 43.3 | 41.1 |
| % Neither | 13.5 | 12 | 19.9 | 15.9 |
| % Disagree | 38.1 | 31.1 | 36.7 | 43 |
| N | 671 | 200 | 407 | 44 |

Perceptions of Shade at Neighborhood Bus/Metro Stops

Summary

Respondents were asked, "Please rate how strongly you agree or disagree with the following statement: The bus and/or Metro stops in my neighborhood are well-shaded." Response options included Agree Strongly, Agree, Agree Somewhat, Neither Agree Nor Disagree, Disagree Somewhat, Disagree, Disagree Strongly. To generate the tables below, response options were collapsed into the following three categories: Agree (Agree Strongly and Agree), Neither Agree Nor Disagree, Disagree (Disagree Strongly and Disagree).

Results: Perceptions of shade at public transit stops are considerably lower than perceptions of neighborhood shade, with only 23.3% of respondents agreeing and 47.5% disagreeing that there is sufficient shade at the bus or Metro stops in their neighborhood. Disagreement is especially pronounced among Democrats and residents of Supervisor District 3.

Enough Shade at Nearest Bus/Metro Stops:

| | All |
|------------------|-------|
| % Agree | 23.3 |
| % Neither | 21.2 |
| % Disagree | 47.6 |
| % Not applicable | 8 |
| N | 1,334 |

Enough Shade at Nearest Bus/Metro Stops, by Housing Tenure:

| | Rent or lease | Own | Other |
|------------------|---------------|------|-------|
| % Agree | 25.4 | 21.9 | 8.6 |
| % Neither | 20.7 | 20.6 | 30.1 |
| % Disagree | 49.8 | 44.6 | 61.3 |
| % Not applicable | 4 | 12.8 | 0 |
| N | 593 | 640 | 20 |

Enough Shade at Nearest Bus/Metro Stops, by Household Income:

| | <\$30k | \$30k-49,999 | \$50k-99,999 | \$100k+ |
|------------------|--------|--------------|--------------|---------|
| % Agree | 26.1 | 18.3 | 22.6 | 24.3 |
| % Neither | 21.1 | 27.4 | 21.2 | 17.9 |
| % Disagree | 47.9 | 46.7 | 50.2 | 45.5 |
| % Not applicable | 4.9 | 7.6 | 6 | 12.4 |
| N | 283 | 195 | 360 | 495 |

Enough Shade at Nearest Bus/Metro Stops, by Education:

| | HS graduate or less | Some college | BA+ |
|---------|---------------------|--------------|------|
| % Agree | 22.5 | 24.8 | 23.2 |

| | | | |
|------------------|------|------|------|
| % Neither | 21.5 | 22.3 | 20.1 |
| % Disagree | 47.1 | 47.5 | 48.1 |
| % Not applicable | 8.9 | 5.4 | 8.7 |
| N | 224 | 435 | 675 |

Enough Shade at Nearest Bus/Metro Stops, by Race/Ethnicity:

| | NH White | NH Black | NH Asian | NH Other | Hispanic/Latino |
|------------------|-----------------|-----------------|-----------------|-----------------|------------------------|
| % Agree | 18.6 | 26.3 | 26 | 19.9 | 25.4 |
| % Neither | 20.2 | 30.7 | 18.6 | 34.2 | 20.4 |
| % Disagree | 48 | 41.3 | 47.4 | 31.6 | 49.2 |
| % Not applicable | 13.2 | 1.7 | 8.1 | 14.3 | 5 |
| N | 437 | 97 | 201 | 58 | 540 |

Enough Shade at Nearest Bus/Metro Stops, by Age:

| | 18-35 | 36-49 | 50-64 | 65+ |
|------------------|--------------|--------------|--------------|------------|
| % Agree | 22.6 | 21.7 | 25.2 | 24.1 |
| % Neither | 23.5 | 21.2 | 18.2 | 21.5 |
| % Disagree | 48.1 | 50.6 | 48.9 | 40.1 |
| % Not applicable | 5.8 | 6.6 | 7.7 | 14.2 |
| N | 310 | 418 | 353 | 250 |

Enough Shade at Nearest Bus/Metro Stops, by Supervisor District:

| | 1st District | 2nd District | 3rd District | 4th District | 5th District |
|------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| % Agree | 22.6 | 18.3 | 23 | 25.4 | 26.6 |
| % Neither | 22.1 | 23.7 | 13.3 | 17.6 | 30.1 |
| % Disagree | 48.1 | 51.7 | 56.2 | 48.9 | 32.6 |
| % Not applicable | 7.3 | 6.2 | 7.6 | 8.1 | 10.6 |
| N | 297 | 255 | 211 | 278 | 246 |

Enough Shade at Nearest Bus/Metro Stops, by Political Affiliation:

| | Democrat | Republican | Independent | Other |
|------------------|-----------------|-------------------|--------------------|--------------|
| % Agree | 25 | 26.4 | 19.9 | 19.6 |
| % Neither | 18.3 | 22.3 | 26.1 | 12.2 |
| % Disagree | 50.1 | 38.4 | 46.1 | 67.3 |
| % Not applicable | 6.6 | 12.9 | 7.9 | 1 |
| N | 670 | 200 | 407 | 44 |

Support for Tree Planting in High-Need Neighborhoods

Summary

Respondents were presented with the following introductory text: “The general fund is the main budget used to run your city. It is funded by various sources, such as taxes and fees for licenses and permits. This fund supports a number of city services, including public safety, public works, community libraries, housing services, recreation centers, planning and transportation, and administration.” They were then asked, “How much do you support or oppose your local government spending more money from the general fund to increase the amount of tree planting and maintenance **in high-need neighborhoods with low tree cover?**” Response options included Strongly support, Somewhat support, Somewhat oppose, and Strongly oppose.

Results: There is significant support for planting more trees in high-need areas, with 82% of respondents expressing either strong or moderate support. Support is particularly strong among higher-income residents, residents with a Bachelor’s degree or more, Non-Hispanic White and Asian residents, residents of Supervisor District 3, and Democrats.

Support for Tree Planting in High-Need Neighborhoods:

| | All |
|--------------------|-------|
| % Strongly support | 34.6 |
| % Somewhat support | 47.7 |
| % Somewhat oppose | 12.3 |
| % Strongly oppose | 5.5 |
| N | 1,334 |

Support for Tree Planting in High-Need Neighborhoods, by Housing Tenure:

| | Rent or lease | Own | Other |
|--------------------|---------------|------|-------|
| % Strongly support | 36 | 32.6 | 25.7 |
| % Somewhat support | 46.4 | 51.3 | 37.2 |
| % Somewhat oppose | 12 | 10.9 | 34.4 |
| % Strongly oppose | 5.6 | 5.2 | 2.6 |
| N | 591 | 641 | 20 |

Support for Tree Planting in High-Need Neighborhoods, by Household Income:

| | <\$30k | \$30k-49,999 | \$50k-99,999 | \$100k+ |
|--------------------|--------|--------------|--------------|---------|
| % Strongly support | 28.8 | 26.8 | 36.3 | 41.7 |
| % Somewhat support | 48.2 | 55.9 | 46.2 | 44.4 |
| % Somewhat oppose | 14.4 | 11.2 | 13.4 | 10.3 |
| % Strongly oppose | 8.6 | 6.2 | 4.2 | 3.7 |
| N | 282 | 195 | 361 | 494 |

Support for Tree Planting in High-Need Neighborhoods, by Education:

| | HS graduate or less | Some college | BA+ |
|---------------------------|----------------------------|---------------------|------------|
| % Strongly support | 25.7 | 33.5 | 44.1 |
| % Somewhat support | 51.4 | 48.5 | 43.5 |
| % Somewhat oppose | 15.4 | 12.2 | 9.2 |
| % Strongly oppose | 7.5 | 5.8 | 3.3 |
| N | 226 | 434 | 674 |

Support for Tree Planting in High-Need Neighborhoods, by Race/Ethnicity:

| | NH White | NH Black | NH Asian | NH Other | Hispanic/Latino |
|---------------------------|-----------------|-----------------|-----------------|-----------------|------------------------|
| % Strongly support | 39.7 | 13.9 | 40 | 32.4 | 32.8 |
| % Somewhat support | 44.4 | 62.7 | 48.5 | 52.2 | 47 |
| % Somewhat oppose | 9.8 | 14.6 | 10 | 9.7 | 14.4 |
| % Strongly oppose | 6.1 | 8.8 | 1.5 | 5.7 | 5.8 |
| N | 437 | 97 | 202 | 58 | 539 |

Support for Tree Planting in High-Need Neighborhoods, by Age:

| | 18-35 | 36-49 | 50-64 | 65+ |
|---------------------------|--------------|--------------|--------------|------------|
| % Strongly support | 31.9 | 40.6 | 32.3 | 31.1 |
| % Somewhat support | 49.8 | 44.3 | 47.8 | 50.6 |
| % Somewhat oppose | 15.3 | 7.6 | 14.1 | 12.6 |
| % Strongly oppose | 3 | 7.5 | 5.8 | 5.8 |
| N | 309 | 419 | 352 | 250 |

Support for Tree Planting in High-Need Neighborhoods, by Supervisor District:

| | 1st District | 2nd District | 3rd District | 4th District | 5th District |
|---------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| % Strongly support | 35.2 | 28.7 | 43.4 | 35.2 | 31.8 |
| % Somewhat support | 49.8 | 50.1 | 43.5 | 43.5 | 49.3 |
| % Somewhat oppose | 10.2 | 18 | 8 | 13.1 | 12.1 |
| % Strongly oppose | 4.8 | 3.2 | 5 | 8.2 | 6.9 |
| N | 296 | 255 | 211 | 279 | 246 |

Support for Tree Planting in High-Need Neighborhoods, by Political Affiliation:

| | Democrat | Republican | Independent | Other |
|---------------------------|-----------------|-------------------|--------------------|--------------|
| % Strongly support | 43.5 | 21.3 | 27.2 | 40.4 |
| % Somewhat support | 46.3 | 47 | 51.3 | 37.1 |
| % Somewhat oppose | 8 | 16.3 | 15.9 | 20 |
| % Strongly oppose | 2.2 | 15.4 | 5.5 | 2.6 |
| N | 671 | 200 | 406 | 43 |

Support for Tree Planting in Own Neighborhood

Summary

Respondents were presented with the following introductory text: “The general fund is the main budget used to run your city. It is funded by various sources, such as taxes and fees for licenses and permits. This fund supports a number of city services, including public safety, public works, community libraries, housing services, recreation centers, planning and transportation, and administration.” They were then asked, “How much do you support or oppose your local government spending more money from the general fund to increase the amount of tree planting and maintenance **in your neighborhood?**” Response options included Strongly support, Somewhat support, Somewhat oppose, and Strongly oppose.

Results: Respondents are supportive of spending more money on tree planting and maintenance in their own neighborhood, with 77.6% of respondents expressing either strong or moderate support. The demographic breakdown of support mirrors the breakdown of support for tree planting and maintenance in high-need neighborhoods. Support is particularly strong among higher-income residents, residents with a Bachelor’s degree or more, Non-Hispanic White and Asian residents, residents of Supervisor District 3, and Democrats.

Support for Tree Planting in Own Neighborhood:

| | All |
|--------------------|-------|
| % Strongly support | 34.1 |
| % Somewhat support | 43.5 |
| % Somewhat oppose | 17.2 |
| % Strongly oppose | 5.3 |
| N | 1,334 |

Support for Tree Planting in Own Neighborhood, by Housing Tenure:

| | Rent or lease | Own | Other |
|--------------------|---------------|------|-------|
| % Strongly support | 34.5 | 32.9 | 48.8 |
| % Somewhat support | 42.7 | 45.5 | 35 |
| % Somewhat oppose | 16.9 | 16.6 | 15.6 |
| % Strongly oppose | 5.8 | 5 | 0.7 |
| N | 592 | 641 | 20 |

Support for Tree Planting in Own Neighborhood, by Household Income:

| | <\$30k | \$30k-49,999 | \$50k-99,999 | \$100k+ |
|--------------------|--------|--------------|--------------|---------|
| % Strongly support | 28.4 | 29.4 | 34.6 | 40.8 |
| % Somewhat support | 46.6 | 49.8 | 42.2 | 38.5 |
| % Somewhat oppose | 16.5 | 17.6 | 17.7 | 17.1 |
| % Strongly oppose | 8.4 | 3.2 | 5.5 | 3.6 |

| | | | | |
|----------|-----|-----|-----|-----|
| N | 282 | 195 | 361 | 495 |
|----------|-----|-----|-----|-----|

Support for Tree Planting in Own Neighborhood, by Education:

| | HS graduate or less | Some college | BA+ |
|--------------------|----------------------------|---------------------|------------|
| % Strongly support | 25.9 | 30.2 | 44.7 |
| % Somewhat support | 46.8 | 47.4 | 37.6 |
| % Somewhat oppose | 20.7 | 16.6 | 14.1 |
| % Strongly oppose | 6.6 | 5.9 | 3.5 |
| N | 225 | 434 | 675 |

Support for Tree Planting in Own Neighborhood, by Race/Ethnicity:

| | NH White | NH Black | NH Asian | NH Other | Hispanic/Latino |
|--------------------|-----------------|-----------------|-----------------|-----------------|------------------------|
| % Strongly support | 36 | 15.7 | 42.8 | 33.1 | 33 |
| % Somewhat support | 38.3 | 53.5 | 44.5 | 41.2 | 45.2 |
| % Somewhat oppose | 19.8 | 19.7 | 11.3 | 11.6 | 17.1 |
| % Strongly oppose | 5.9 | 11.1 | 1.4 | 14.1 | 4.6 |
| N | 437 | 97 | 201 | 58 | 540 |

Support for Tree Planting in Own Neighborhood, by Age:

| | 18-35 | 36-49 | 50-64 | 65+ |
|--------------------|--------------|--------------|--------------|------------|
| % Strongly support | 32.1 | 39.8 | 32.9 | 29.3 |
| % Somewhat support | 44.6 | 43.3 | 40.3 | 46.7 |
| % Somewhat oppose | 20.3 | 11 | 21.5 | 16.3 |
| % Strongly oppose | 3 | 5.9 | 5.3 | 7.8 |
| N | 310 | 419 | 352 | 250 |

Support for Tree Planting in Own Neighborhood, by Supervisor District:

| | 1st District | 2nd District | 3rd District | 4th District | 5th District |
|--------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| % Strongly support | 37.8 | 27.6 | 45.9 | 34.2 | 26.8 |
| % Somewhat support | 45.7 | 46.8 | 36.5 | 42.4 | 42 |
| % Somewhat oppose | 12.1 | 20.3 | 14 | 17.1 | 24 |
| % Strongly oppose | 4.4 | 5.3 | 3.7 | 6.3 | 7.1 |
| N | 297 | 255 | 211 | 278 | 246 |

Support for Tree Planting in Own Neighborhood, by Political Affiliation:

| | Democrat | Republican | Independent | Other |
|--------------------|-----------------|-------------------|--------------------|--------------|
| % Strongly support | 41.8 | 21.9 | 28.3 | 35.7 |
| % Somewhat support | 41.8 | 42.4 | 47 | 39.8 |
| % Somewhat oppose | 14.3 | 23.4 | 18.3 | 22.5 |
| % Strongly oppose | 2.1 | 12.3 | 6.4 | 2 |
| N | 671 | 200 | 406 | 44 |

Perceived Benefits of Trees

Summary

Respondents were provided with the following question: “Trees provide a variety of benefits. Understanding which benefits are most important to your community helps the City and its partners know where trees should be planted. In thinking about priorities you have for your neighborhood, which benefits of trees are most important to you? Select up to three answers.” Response options included: Beautify my neighborhood, Encourage outdoor activities, Improve air quality, Reduce noise, Prevent flooding, Provide habitat for wildlife, Reduce crime, Reduce temperatures when it’s hot out.

Results: The three benefits most frequently cited by respondents are neighborhood beautification, improved air quality, and reduced temperatures. These are followed in frequency by wildlife habitat and outdoor activities. Demographic differences are relatively small. Lower-educated and lower-income residents are more likely than higher-educated and higher-income residents to identify crime reduction as an important benefit. Non-Hispanic White residents are more likely than other racial/ethnic groups to cite wildlife habitat as an important benefit. Younger adults aged 18-35 are less likely than older adults to cite neighborhood beautification and more likely to cite outdoor activities as important benefits. Lastly, renters are more likely than homeowners to cite outdoor activity opportunities and crime reduction as important benefits.

Top 3 Benefits of Trees:

| | All |
|-----------------------|-------|
| % Beautify | 54.9 |
| % Outdoor activity | 18.5 |
| % Improve air quality | 67.8 |
| % Reduce noise | 10.1 |
| % Prevent flooding | 6.7 |
| % Wildlife habitat | 27.4 |
| % Reduce crime | 9.1 |
| % Reduce temperature | 65.7 |
| N | 1,324 |

Top 3 Benefits of Trees, by Housing Tenure:

| | Rent | Own | Other |
|-----------------------|------|------|-------|
| % Beautify | 50.3 | 62 | 45.9 |
| % Outdoor activity | 18.5 | 15.6 | 40.5 |
| % Improve air quality | 69.1 | 68.5 | 50.8 |
| % Reduce noise | 9.3 | 12.5 | 0 |
| % Prevent flooding | 6.6 | 6.4 | 11 |
| % Wildlife habitat | 24.4 | 30.6 | 24.2 |

| | | | |
|----------------------|------|-----|------|
| % Reduce crime | 10.7 | 8.1 | 0 |
| % Reduce temperature | 62.4 | 69 | 74.4 |
| N | 591 | 641 | 20 |

Top 3 Benefits of Trees, by Household Income:

| | <\$30k | \$30k-49,999 | \$50k-99,999 | \$100k+ |
|-----------------------|--------|--------------|--------------|---------|
| % Beautify | 41.8 | 51.2 | 55.1 | 67.3 |
| % Outdoor activity | 19.8 | 20.7 | 18.3 | 16.5 |
| % Improve air quality | 59.5 | 64.6 | 71.9 | 72.8 |
| % Reduce noise | 6.2 | 8.8 | 10 | 13.9 |
| % Prevent flooding | 7 | 6.8 | 8.5 | 5.1 |
| % Wildlife habitat | 27.2 | 23.7 | 26.2 | 30.5 |
| % Reduce crime | 11.7 | 11.7 | 10 | 4.8 |
| % Reduce temperature | 59.5 | 63.9 | 65.7 | 71.8 |
| N | 281 | 195 | 361 | 495 |

Top 3 Benefits of Trees, by Education:

| | HS graduate or less | Some college | BA+ |
|-----------------------|---------------------|--------------|------|
| % Beautify | 46.7 | 53.6 | 63.8 |
| % Outdoor activity | 19.4 | 16.2 | 19.1 |
| % Improve air quality | 60.2 | 71.5 | 73 |
| % Reduce noise | 7.2 | 9.8 | 13 |
| % Prevent flooding | 5.8 | 8.5 | 6.5 |
| % Wildlife habitat | 28.5 | 24 | 28.5 |
| % Reduce crime | 12.4 | 10.4 | 4.9 |
| % Reduce temperature | 60.2 | 61.8 | 73.6 |
| N | 225 | 433 | 675 |

Top 3 Benefits of Trees, by Race/Ethnicity:

| | NH White | NH Black | NH Asian | NH Other | Hispanic/Latino |
|-----------------------|----------|----------|----------|----------|-----------------|
| % Beautify | 61.3 | 59.1 | 54.5 | 64.2 | 49.5 |
| % Outdoor activity | 14.3 | 15.2 | 16.6 | 19.2 | 22.5 |
| % Improve air quality | 63 | 64.9 | 77.7 | 60 | 68.9 |
| % Reduce noise | 14.7 | 3.8 | 11 | 3.3 | 8 |
| % Prevent flooding | 4.1 | 3.6 | 15.5 | 5.7 | 6.3 |
| % Wildlife habitat | 35.2 | 17.8 | 19.9 | 28.1 | 25.8 |
| % Reduce crime | 5.5 | 17.4 | 8.3 | 7.2 | 10.5 |
| % Reduce temperature | 71.6 | 42.8 | 67.9 | 59.5 | 65 |
| N | 436 | 97 | 201 | 58 | 540 |

Top 3 Benefits of Trees, by Age:

| | 18-35 | 36-49 | 50-64 | 65+ |
|-----------------------|--------------|--------------|--------------|------------|
| % Beautify | 44.8 | 56.1 | 60.5 | 61.1 |
| % Outdoor activity | 23.3 | 16.2 | 17.2 | 16.3 |
| % Improve air quality | 70 | 70.6 | 66.2 | 61.8 |
| % Reduce noise | 8.8 | 10 | 10.4 | 11.8 |
| % Prevent flooding | 8.7 | 5.2 | 6.4 | 6.5 |
| % Wildlife habitat | 24.2 | 25.9 | 30.4 | 30.7 |
| % Reduce crime | 10.2 | 9.5 | 7.9 | 8.2 |
| % Reduce temperature | 65.6 | 63.1 | 66.9 | 68.1 |
| N | 310 | 418 | 352 | 250 |

Top 3 Benefits of Trees, by Supervisor District:

| | 1st District | 2nd District | 3rd District | 4th District | 5th District |
|-----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| % Beautify | 50.6 | 54.8 | 49 | 62.1 | 55.7 |
| % Outdoor activity | 19.1 | 21.7 | 14.2 | 15.3 | 19.2 |
| % Improve air quality | 68.1 | 66.4 | 75.1 | 66.9 | 63.6 |
| % Reduce noise | 9.5 | 8.3 | 13.9 | 11 | 7.3 |
| % Prevent flooding | 7.2 | 8.8 | 9 | 3.1 | 6.8 |
| % Wildlife habitat | 23.6 | 22.6 | 34.5 | 22.1 | 39.1 |
| % Reduce crime | 10.5 | 13.6 | 4.8 | 8.3 | 6.3 |
| % Reduce temperature | 71.1 | 56.8 | 73.7 | 66.4 | 63.2 |
| N | 296 | 255 | 211 | 278 | 246 |

Top 3 Benefits of Trees, by Political Affiliation:

| | Democrat | Republican | Independent | Other |
|-----------------------|-----------------|-------------------|--------------------|--------------|
| % Beautify | 56.4 | 56.5 | 51.8 | 50.2 |
| % Outdoor activity | 17.6 | 13.5 | 21.5 | 22.1 |
| % Improve air quality | 71.7 | 66.3 | 62.9 | 69.2 |
| % Reduce noise | 10.1 | 11.6 | 9.4 | 5.9 |
| % Prevent flooding | 7.3 | 6.4 | 6.9 | 0 |
| % Wildlife habitat | 28.3 | 29.7 | 26.2 | 21.4 |
| % Reduce crime | 7.7 | 10.4 | 10.5 | 7.6 |
| % Reduce temperature | 65.2 | 65.3 | 64.5 | 82.4 |
| N | 670 | 199 | 407 | 44 |

Regression Analyses

Tree Canopy Coverage

Summary of Results:

In the table below, we regress tree canopy coverage (percent of census tract covered by trees) on respondent demographic characteristics to identify the demographic predictors of residing in a census tract with relatively high tree canopy coverage. Results indicate that non-Hispanic Black and Hispanic residents are significantly less likely than non-Hispanic White residents to live in high-canopy neighborhoods. Residents of Supervisor Districts 3 and 5 are also more likely to be living in high-canopy neighborhoods, an indication that tree canopy is unequally distributed across supervisor districts.

OLS Regression of % Tree Canopy on Respondent Characteristics

| | % Tree Canopy on respondent characteristics | |
|--|---|---------|
| Race/Ethnicity (ref: Non-Hispanic White) | | |
| Non-Hispanic Black | -1.806** | (0.619) |
| Non-Hispanic Asian | -0.688 | (0.448) |
| Non-Hispanic Other | -0.858 | (0.728) |
| Hispanic/Latino | -1.298*** | (0.376) |
| Age (ref: 18-34 years) | | |
| 35-44 years | -0.282 | (0.427) |
| 45-54 years | 0.091 | (0.451) |
| 55-64 years | -0.305 | (0.473) |
| 65+ years | 0.761 | (0.488) |
| Education (ref: HS or Less) | | |
| Some College | 0.090 | (0.433) |
| BA+ | 0.506 | (0.451) |
| Household Income (ref: <\$25,000) | | |
| \$25,000-49,999 | 0.445 | (0.474) |
| \$50,000-74,999 | -0.201 | (0.506) |
| \$75,000+ | 0.504 | (0.450) |
| Housing Tenure (ref: Rent) | | |
| Own | -0.005 | (0.322) |
| Other | -0.984 | (1.107) |
| Supervisor District (ref: District 1) | | |
| District 2 | -0.559 | (0.442) |
| District 3 | 1.927*** | (0.461) |
| District 4 | -0.789 | (0.422) |
| District 5 | 3.416*** | (0.447) |
| Political Affiliation (ref: Democrat) | | |
| Republican | -0.543 | (0.411) |
| Independent | -0.364 | (0.331) |
| Other | 0.740 | (0.797) |
| Constant | 10.017*** | (0.677) |
| Observations | | 1205 |
| R-squared | | 0.159 |

Standard errors in parentheses; * p<0.05, ** p<0.01, *** p<0.001

Perceptions of Neighborhood Shade

Summary of Results:

In the table below, we regress perceptions of neighborhood tree shade on respondent demographic characteristics and tree canopy coverage to identify the demographic and contextual predictors of perceived neighborhood shade, controlling for supervisor district. Across supervisor districts, age remains a significant predictor – residents age 65+ are significantly more likely than residents age 18-34 to perceive their neighborhood as sufficiently shaded by trees. Tree canopy coverage is also positively correlated with perceptions of neighborhood shade – confirmation that subjective perceptions of tree shade reflect objective tree canopy conditions.

OLS Regression of Perceived Adequacy of Neighborhood Shade on Respondent Characteristics

| | Enough Tree Shade in Neighborhood | | | |
|--|-----------------------------------|---------|----------|---------|
| | (1) | | (2) | |
| Race/Ethnicity (ref: Non-Hispanic White) | | | | |
| Non-Hispanic Black | -0.122 | (0.270) | -0.034 | (0.269) |
| Non-Hispanic Asian | -0.081 | (0.194) | -0.059 | (0.192) |
| Non-Hispanic Other | -0.424 | (0.321) | -0.385 | (0.319) |
| Hispanic/Latino | -0.206 | (0.162) | -0.146 | (0.161) |
| Age (ref: 18-34 years) | | | | |
| 35-44 years | 0.286 | (0.188) | 0.293 | (0.187) |
| 45-54 years | 0.322 | (0.198) | 0.308 | (0.197) |
| 55-64 years | 0.210 | (0.208) | 0.212 | (0.206) |
| 65+ years | 0.533* | (0.214) | 0.487* | (0.212) |
| Education (ref: HS or Less) | | | | |
| Some College | -0.174 | (0.194) | -0.180 | (0.193) |
| BA+ | -0.215 | (0.201) | -0.243 | (0.199) |
| Household Income (ref: <\$25,000) | | | | |
| \$25,000-49,999 | 0.261 | (0.213) | 0.247 | (0.211) |
| \$50,000-74,999 | 0.165 | (0.224) | 0.191 | (0.223) |
| \$75,000+ | 0.251 | (0.200) | 0.236 | (0.198) |
| Housing Tenure (ref: Rent) | | | | |
| Own | 0.026 | (0.139) | 0.025 | (0.138) |
| Other | -0.669 | (0.495) | -0.610 | (0.492) |
| Supervisor District (ref: District 1) | | | | |
| District 2 | 0.020 | (0.192) | 0.046 | (0.191) |
| District 3 | 0.259 | (0.199) | 0.163 | (0.199) |
| District 4 | 0.163 | (0.184) | 0.200 | (0.183) |
| District 5 | 0.312 | (0.194) | 0.130 | (0.198) |
| Political Affiliation (ref: Democrat) | | | | |
| Republican | 0.131 | (0.175) | 0.157 | (0.174) |
| Independent | 0.131 | (0.145) | 0.154 | (0.144) |
| Other | -0.526 | (0.355) | -0.531 | (0.353) |
| % Tree Canopy in Census Tract | | | 0.049*** | (0.012) |
| Constant | 3.793*** | (0.302) | 3.303*** | (0.323) |
| Observations | | 1030 | | 1030 |
| R-squared | | 0.029 | | 0.044 |

Standard errors in parentheses; * p<0.05, ** p<0.01, *** p<0.001

Symptoms of Heat Exposure

Summary of Results:

In the table below, we regress self-reported symptoms of heat exposure (where 0=no symptoms, 1= one or more symptoms) on respondent characteristics and tree canopy to identify the demographic and contextual predictors of subjective heat exposure. Results indicate that, across supervisor districts, residents who are non-Hispanic Black, older (age 65+), or higher income (\$75,000+) are significantly less likely to report symptoms of heat exposure than residents who are non-Hispanic white, younger (age 18-34), or low-income (<\$25,000), respectively (Model 1). Notably, tree canopy coverage is *not* significantly correlated with self-reported symptoms (Model 2). This suggests that factors other than neighborhood tree shade drive heat-related symptoms.

OLS Regression of Heat Exposure Symptoms on Respondent Characteristics

| | Any Heat Exposure Symptoms | | | |
|--|----------------------------|---------|-----------|---------|
| | (1) | | (2) | |
| Race/Ethnicity (ref: Non-Hispanic White) | | | | |
| Non-Hispanic Black | -0.164** | (0.063) | -0.159* | (0.063) |
| Non-Hispanic Asian | 0.042 | (0.046) | 0.044 | (0.046) |
| Non-Hispanic Other | 0.081 | (0.074) | 0.084 | (0.074) |
| Hispanic/Latino | 0.006 | (0.038) | 0.010 | (0.039) |
| Age (ref: 18-34 years) | | | | |
| 35-44 years | -0.030 | (0.043) | -0.030 | (0.043) |
| 45-54 years | -0.057 | (0.046) | -0.057 | (0.046) |
| 55-64 years | -0.090 | (0.048) | -0.089 | (0.048) |
| 65+ years | -0.120* | (0.050) | -0.123* | (0.050) |
| Education (ref: HS or Less) | | | | |
| Some College | 0.067 | (0.044) | 0.067 | (0.044) |
| BA+ | 0.025 | (0.046) | 0.023 | (0.046) |
| Household Income (ref: <\$25,000) | | | | |
| \$25,000-49,999 | -0.093 | (0.048) | -0.094 | (0.048) |
| \$50,000-74,999 | -0.072 | (0.051) | -0.071 | (0.051) |
| \$75,000+ | -0.158*** | (0.046) | -0.160*** | (0.046) |
| Housing Tenure (ref: Rent) | | | | |
| Own | -0.065* | (0.033) | -0.065* | (0.033) |
| Other | -0.010 | (0.113) | -0.008 | (0.113) |
| Supervisor District (ref: District 1) | | | | |
| District 2 | 0.044 | (0.045) | 0.046 | (0.045) |
| District 3 | 0.047 | (0.047) | 0.041 | (0.047) |
| District 4 | 0.007 | (0.043) | 0.009 | (0.043) |
| District 5 | 0.002 | (0.046) | -0.009 | (0.047) |
| Political Affiliation (ref: Democrat) | | | | |
| Republican | -0.011 | (0.042) | -0.009 | (0.042) |
| Independent | -0.010 | (0.034) | -0.009 | (0.034) |
| Other | 0.132 | (0.081) | 0.130 | (0.081) |
| Percent Tree Canopy | | | 0.003 | (0.003) |
| Constant | 0.578*** | (0.069) | 0.548*** | (0.075) |
| Observations | 1205 | | 1205 | |
| R-squared | 0.046 | | 0.047 | |

Standard errors in parentheses; * p<0.05, ** p<0.01, *** p<0.001

| | | | | | | | | |
|--|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| 35-44 years | 0.030 | (0.069) | -0.003 | (0.075) | -0.002 | (0.076) | -0.012 | (0.075) |
| 45-54 years | -0.052 | (0.073) | -0.089 | (0.080) | -0.083 | (0.080) | -0.089 | (0.079) |
| 55-64 years | -0.031 | (0.076) | -0.026 | (0.083) | -0.018 | (0.083) | -0.033 | (0.083) |
| 65+ years | -0.045 | (0.079) | -0.065 | (0.086) | -0.051 | (0.086) | -0.064 | (0.086) |
| Education (ref: HS or Less) | | | | | | | | |
| Some College | 0.071 | (0.070) | 0.033 | (0.078) | 0.031 | (0.078) | 0.618*** | (0.177) |
| BA+ | 0.198** | (0.073) | 0.168* | (0.081) | 0.169* | (0.081) | 0.500** | (0.168) |
| Household Income (ref: <\$25,000) | | | | | | | | |
| \$25,000-49,999 | 0.108 | (0.076) | 0.074 | (0.086) | 0.360 | (0.198) | 0.062 | (0.085) |
| \$50,000-74,999 | 0.095 | (0.082) | 0.006 | (0.090) | 0.266 | (0.211) | 0.015 | (0.090) |
| \$75,000+ | 0.182* | (0.073) | 0.149 | (0.080) | 0.467** | (0.168) | 0.143 | (0.080) |
| Housing Tenure (ref: Rent) | | | | | | | | |
| Own | -0.086 | (0.052) | -0.050 | (0.056) | -0.049 | (0.056) | -0.043 | (0.055) |
| Other | -0.273 | (0.178) | -0.236 | (0.199) | -0.201 | (0.200) | -0.227 | (0.198) |
| Supervisor District (ref: District 1) | | | | | | | | |
| District 2 | -0.035 | (0.071) | -0.059 | (0.077) | -0.060 | (0.077) | -0.051 | (0.077) |
| District 3 | -0.024 | (0.074) | 0.016 | (0.080) | 0.020 | (0.080) | 0.032 | (0.080) |
| District 4 | -0.055 | (0.068) | -0.003 | (0.074) | -0.004 | (0.074) | 0.009 | (0.074) |
| District 5 | -0.011 | (0.072) | 0.039 | (0.080) | 0.040 | (0.080) | 0.057 | (0.080) |
| Political Affiliation (ref: Democrat) | | | | | | | | |
| Republican | -0.577*** | (0.066) | -0.596*** | (0.070) | -0.593*** | (0.070) | -0.604*** | (0.070) |
| Independent | -0.277*** | (0.053) | -0.255*** | (0.058) | -0.249*** | (0.058) | -0.259*** | (0.058) |
| Other | -0.122 | (0.130) | -0.158 | (0.145) | -0.152 | (0.145) | -0.163 | (0.144) |
| Percent Tree Canopy | | | 0.004 | (0.005) | 0.004 | (0.005) | 0.004 | (0.005) |
| Heat Symptoms | | | 0.068 | (0.050) | 0.073 | (0.050) | 0.069 | (0.049) |
| Perceived Neighborhood Shade | | | -0.053*** | (0.013) | 0.009 | (0.032) | 0.033 | (0.031) |
| Perceived Shade X HH Income | | | | | | | | |
| Shade Adequacy X \$25,000-49,999 | | | | | -0.071 | (0.043) | | |
| Shade Adequacy X \$50,000-74,999 | | | | | -0.065 | (0.047) | | |
| Shade Adequacy X \$75,000+ | | | | | -0.078* | (0.036) | | |
| Perceived Shade X Education | | | | | | | | |
| Shade Adequacy X Some College | | | | | | | -0.141*** | (0.038) |
| Shade Adequacy X BA+ | | | | | | | -0.081* | (0.035) |
| Constant | 3.228*** | (0.109) | 3.194*** | (0.119) | 3.162*** | (0.186) | 3.057*** | (0.186) |
| Observations | | 1194 | | 1194 | | 1029 | | 1029 |
| R-squared | | 0.122 | | 0.122 | | 0.141 | | 0.149 |

Standard errors in parentheses; * p<0.05, ** p<0.01, *** p<0.001

In the table below, we regress support for funding additional tree planting and maintenance in one's own neighborhood on respondent demographic characteristics, tree canopy coverage, heat exposure symptoms, and perceived neighborhood shade to identify the demographic, perceptual, and contextual predictors of support.

In Model 3, the interaction of perceived shade with a high income (\$75,000+) is statistically significant and negative, while the direct effect of a high income on policy support is statistically significant and positive. This suggests that support among high-income residents is highly correlated with what they perceive as their own neighborhood's needs – i.e. whether or not their own neighborhood is sufficiently shaded – whereas support among low-income residents has little to do with how they perceive their own neighborhood's shade needs.

In Model 4, the interaction of perceived shade with Some College is statistically significant and negative, which indicates that moderately educated residents are less likely to express support for increased spending on tree planting if they think their neighborhood is adequately shaded. The direct effect of a Bachelor's degree or more remains statistically significant and positive – meaning, highly educated respondents are more likely than lower educated respondents to support additional tree planting in their neighborhood regardless of their own neighborhood conditions.

| | Support Tree Planting and Maintenance in Own Neighborhood | | | | | | | |
|--|---|---------|----------|---------|----------|---------|----------|---------|
| | (1) | | (2) | | (3) | | (4) | |
| Race/Ethnicity (<i>ref: Non-Hispanic White</i>) | | | | | | | | |
| Non-Hispanic Black | -0.386*** | (0.104) | -0.315** | (0.111) | -0.312** | (0.112) | -0.315** | (0.111) |
| Non-Hispanic Asian | 0.094 | (0.076) | 0.097 | (0.080) | 0.083 | (0.080) | 0.102 | (0.080) |
| Non-Hispanic Other | -0.167 | (0.123) | -0.178 | (0.132) | -0.184 | (0.132) | -0.173 | (0.132) |
| Hispanic/Latino | 0.013 | (0.063) | 0.061 | (0.067) | 0.060 | (0.067) | 0.060 | (0.067) |
| Age (<i>ref: 18-34 years</i>) | | | | | | | | |

| | | | | | | | | |
|--|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| 35-44 years | 0.119 | (0.072) | 0.075 | (0.077) | 0.074 | (0.077) | 0.070 | (0.077) |
| 45-54 years | -0.066 | (0.076) | -0.118 | (0.082) | -0.115 | (0.082) | -0.117 | (0.082) |
| 55-64 years | -0.089 | (0.080) | -0.085 | (0.086) | -0.079 | (0.086) | -0.089 | (0.086) |
| 65+ years | -0.092 | (0.082) | -0.115 | (0.088) | -0.105 | (0.089) | -0.114 | (0.088) |
| Education (ref: HS or Less) | | | | | | | | |
| Some College | 0.044 | (0.073) | 0.009 | (0.080) | 0.007 | (0.080) | 0.352 | (0.182) |
| BA+ | 0.197** | (0.076) | 0.210** | (0.083) | 0.211* | (0.083) | 0.428* | (0.173) |
| Household Income (ref: <\$25,000) | | | | | | | | |
| \$25,000-49,999 | 0.134 | (0.080) | 0.154 | (0.088) | 0.361 | (0.204) | 0.147 | (0.088) |
| \$50,000-74,999 | 0.056 | (0.086) | -0.040 | (0.092) | 0.142 | (0.217) | -0.036 | (0.092) |
| \$75,000+ | 0.156* | (0.076) | 0.122 | (0.083) | 0.439* | (0.173) | 0.119 | (0.083) |
| Housing Tenure (ref: Rent) | | | | | | | | |
| Own | -0.003 | (0.054) | 0.029 | (0.057) | 0.028 | (0.057) | 0.033 | (0.057) |
| Other | 0.070 | (0.186) | 0.090 | (0.204) | 0.130 | (0.205) | 0.098 | (0.204) |
| Supervisor District (ref: District 1) | | | | | | | | |
| District 2 | -0.104 | (0.074) | -0.128 | (0.079) | -0.126 | (0.079) | -0.123 | (0.079) |
| District 3 | -0.081 | (0.078) | -0.028 | (0.082) | -0.025 | (0.082) | -0.018 | (0.083) |
| District 4 | -0.086 | (0.071) | -0.055 | (0.076) | -0.057 | (0.076) | -0.048 | (0.076) |
| District 5 | -0.194* | (0.075) | -0.102* | (0.082) | -0.102 | (0.082) | -0.092 | (0.082) |
| Political Affiliation (ref: Democrat) | | | | | | | | |
| Republican | -0.466*** | (0.069) | -0.478*** | (0.072) | -0.476*** | (0.072) | -0.482*** | (0.072) |
| Independent | -0.248*** | (0.056) | -0.248*** | (0.060) | -0.244*** | (0.060) | -0.250*** | (0.060) |
| Other | -0.151 | (0.134) | -0.271 | (0.147) | -0.268 | (0.147) | -0.274 | (0.147) |
| Percent Tree Canopy | | | -0.006 | (0.005) | -0.006 | (0.005) | -0.006 | (0.005) |
| Heat Symptoms | | | 0.040 | (0.051) | 0.047 | (0.051) | 0.041 | (0.051) |
| Perceived Neighborhood Shade | | | -0.083*** | (0.013) | -0.026 | (0.033) | -0.029 | (0.032) |
| Perceived Shade X HH Income | | | | | | | | |
| Shade Adequacy X \$25,000-49,999 | | | | | -0.052 | (0.045) | | |
| Shade Adequacy X \$50,000-74,999 | | | | | -0.046 | (0.048) | | |
| Shade Adequacy X \$75,000+ | | | | | -0.078* | (0.037) | | |
| Perceived Shade X Education | | | | | | | | |
| Shade Adequacy X Some College | | | | | | | -0.083* | (0.039) |
| Shade Adequacy X BA+ | | | | | | | -0.053 | (0.037) |
| Constant | 3.137*** | (0.114) | 3.206*** | (0.124) | 3.312*** | (0.191) | 3.318*** | (0.191) |
| Observations | 1195 | | 1195 | | 1030 | | 1030 | |
| R-squared | 0.107 | | 0.109 | | 0.154 | | 0.154 | |

Standard errors in parentheses; * p<0.05, ** p<0.01, *** p<0.001