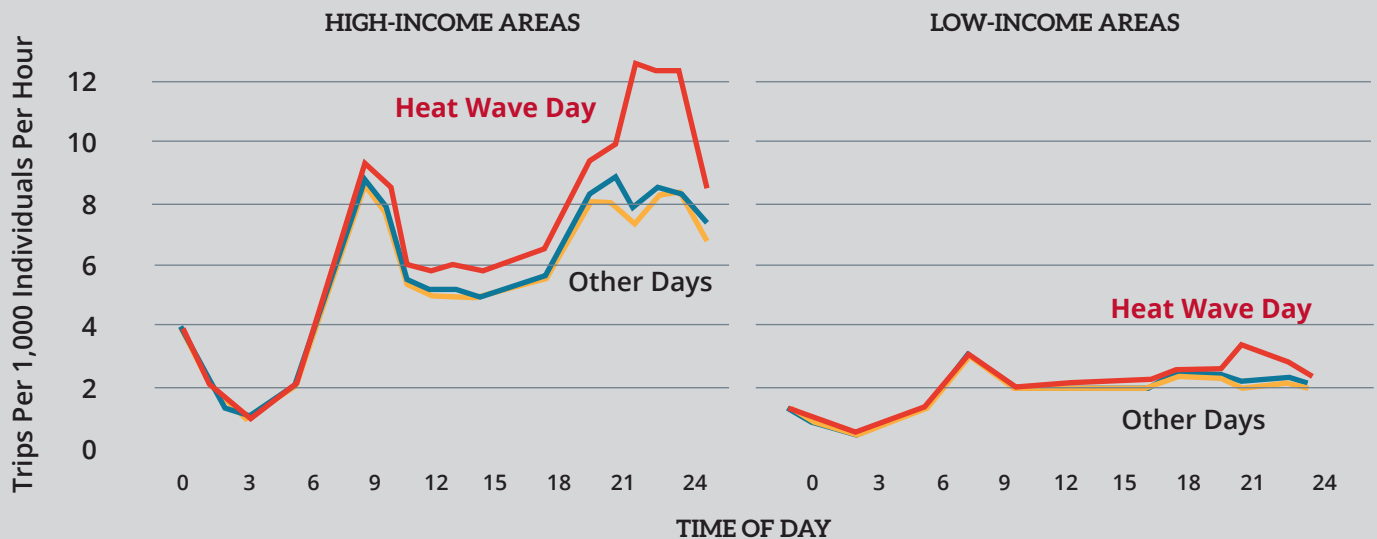


How Did Heat Waves Affect TNC Ridership in High- and Low-Income Neighborhoods?



We study the change in TNC ridership during heat waves in both low- and high-income neighborhoods in New York City in July 2019.¹⁴

FINDINGS: We find that the **increase** in trips per capita during heat waves is higher in **high-income neighborhoods** than in **low-income neighborhoods**.

IMPLICATION: High-income travelers appear to have a greater ability to switch to more comfortable modes during heat waves, while **low-income riders are**

more likely to endure extreme temperatures and humidity while waiting at and walking to/from public transit stops.

RECOMMENDATION: Transportation planners should consider the possibility and viability of **extending special service offerings in low-income neighborhoods** and those with less transit access during heat waves to alleviate transit disparity exacerbated by extreme weather.

¹⁴Gebresselassie, M., J.J. Michalek, D. Nock, C. Harper (2022) "Impact of heat waves on TNC-usage rates in low- and high income neighborhoods in New York City" Working Paper, Carnegie Mellon University.