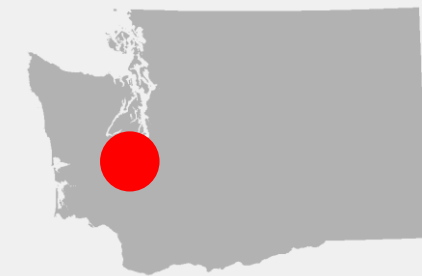


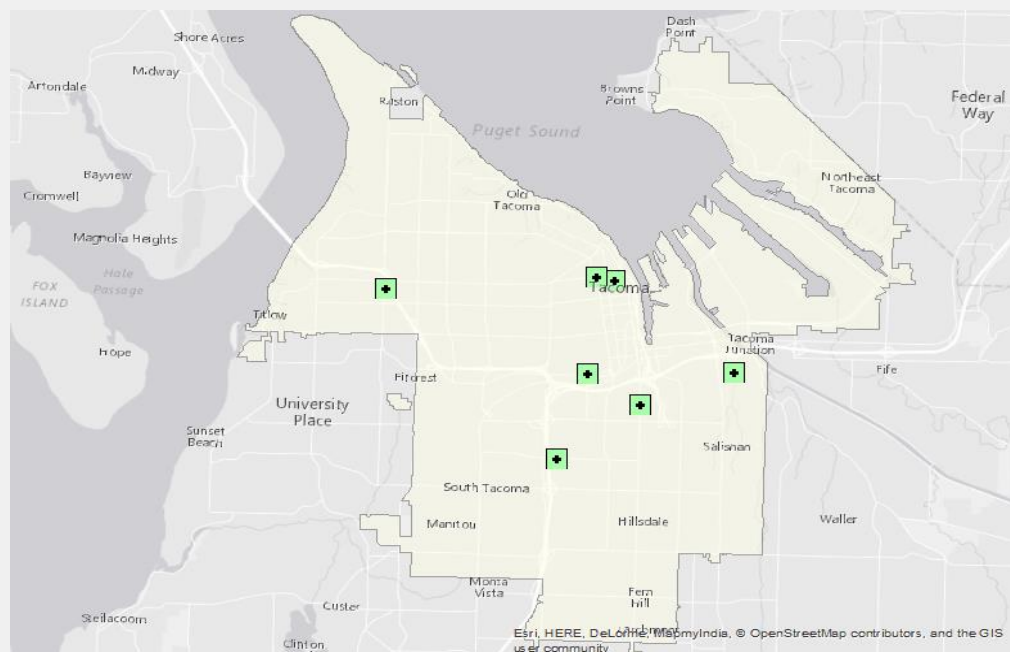


Residential Treatment Center Locations and Home Values in Tacoma, Washington

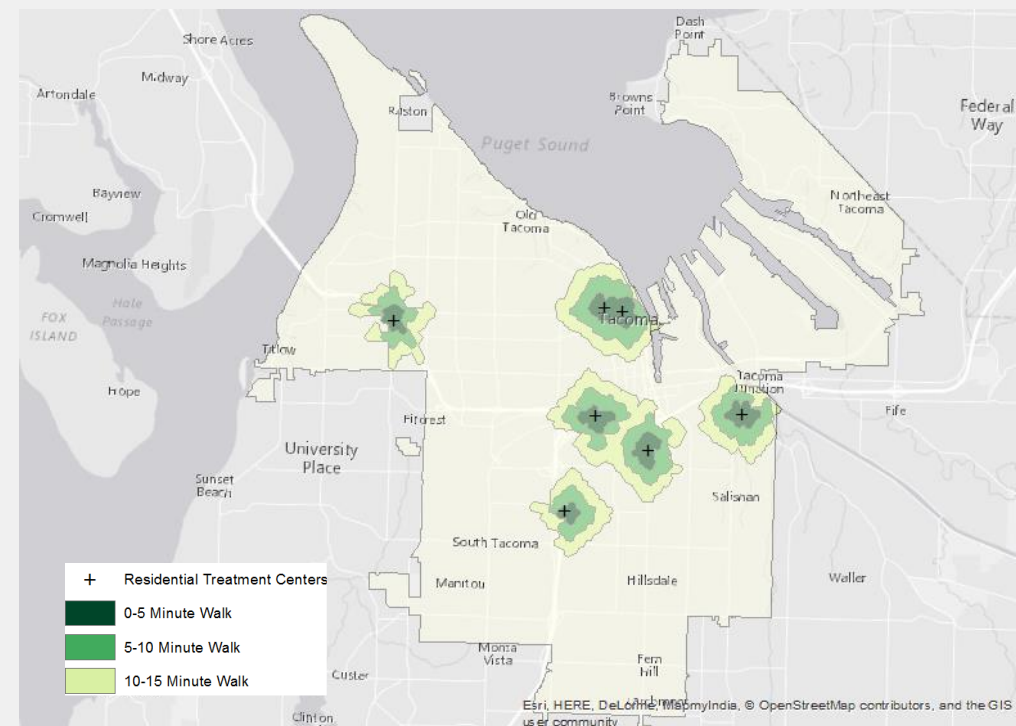


Introduction

The purpose of this analysis was to determine which single-family homes in the City of Tacoma are within 5, 10, and 15-minute walking distances from Residential Treatment Centers. We hypothesize that Residential Treatment Centers tend to be located in lower-value neighborhoods. To determine whether our hypothesis is true we examined the taxable values of single-family homes within each of these walking ranges.



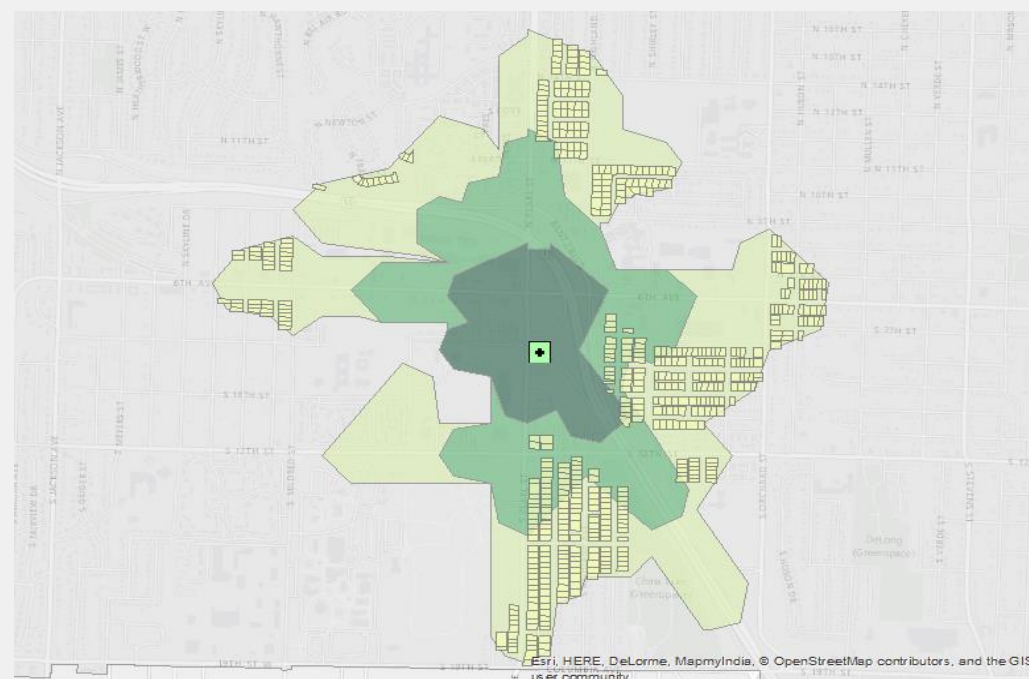
Residential Treatment Locations



Treatment Center Walkability

Methods

To determine which single-family homes are located within 5, 10, and 15-minutes of each Residential Treatment Center, we performed a service area analysis using Tacoma streets data and computing walk time toward each facility using an average walking pace of 3 miles per hour and 5, 10, and 15-minute distances. We then selected all single-family homes from Tacoma tax parcels, and used the Statistics tool to determine the number of homes and their mean taxable value in each walking-distance range.



Results

The mean value of single-family homes within a 15-minute walking distance of residential treatment facilities decreases the closer the homes are to the facility. Figure 1 shows the number of homes located within and outside of each of the walking distance areas. Figure 2 shows the value of homes located within and outside of each of the walking distance areas.

Conclusion

The results of this analysis support our hypothesis that Residential Treatment Centers tend to be in lower-value neighborhoods. Residential treatment facilities are found in lower-income areas, where the population they service is more likely to live. This means the service areas are more accessible to those lower-income populations.

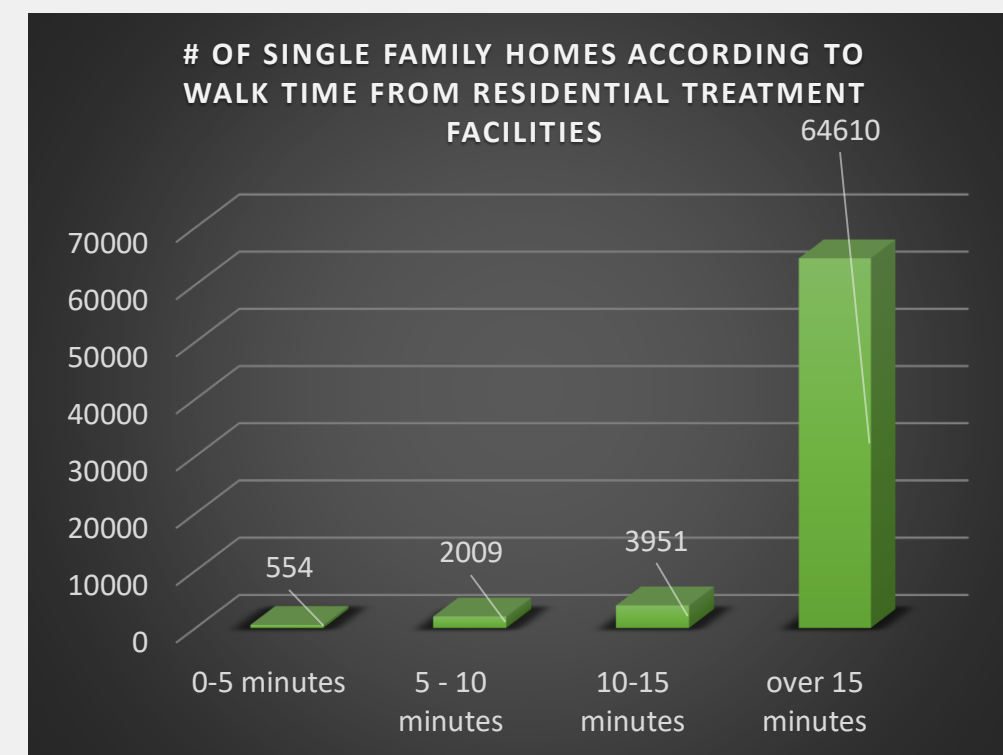


Figure 1

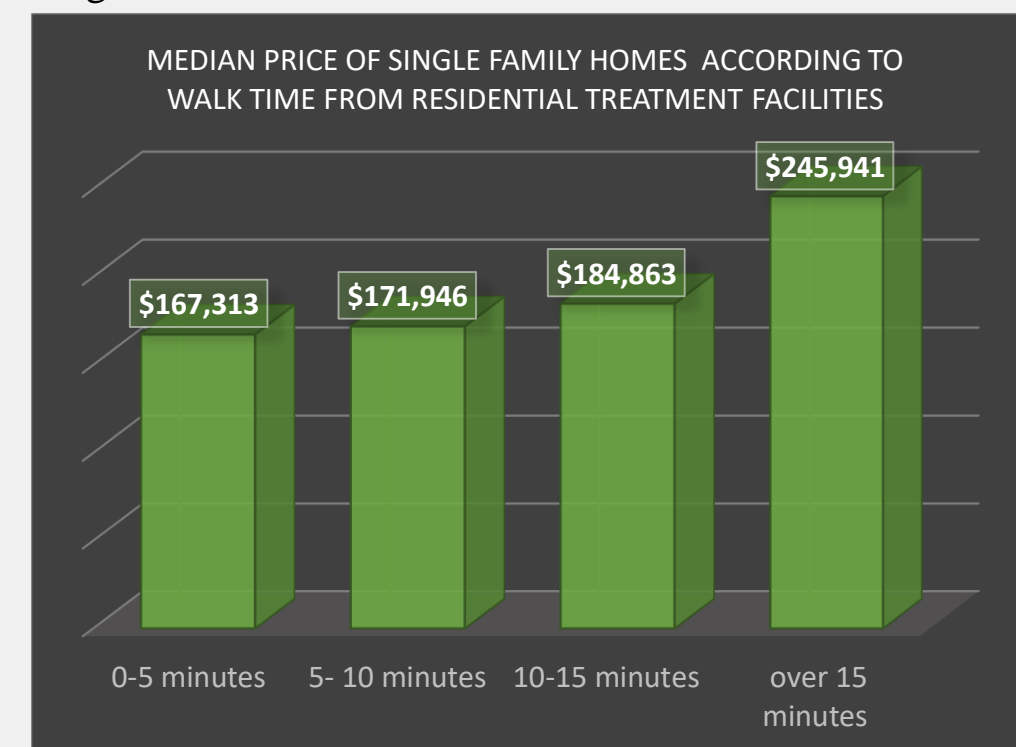


Figure 2