



Presenting at the Community Engagement Symposium 2025

A Data-Driven Analysis

Examining Health, Housing, and Equity for Sustainable Community
Development

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Project Background & Abstract

"Supportive housing is more than shelter; it's stability, care, and community."

Why This Project Matters



Housing insecurity affects 69,000+ in LA County



Data can uncover unmet needs & disparities



Equity-centered analytics drive better outcomes

- In Los Angeles and Orange County, supportive housing plays a vital role in stabilizing lives. But rising housing costs and health disparities highlight the urgent need to understand where services succeed—and where they fall short.
- This project uses Business Intelligence (BI) to reveal patterns in resident well-being and guide smarter, data-driven solutions where they're needed most.

Project Objectives

1. Enhance Resident Well-Being

Track health trends & satisfaction metrics:

Leverage BI tools to analyze patterns in outcomes and satisfaction, improving quality of life for residents.

2. Identify At-Risk Populations

Use data to predict and prevent crises:

Use predictive analytics to detect residents vulnerable to housing loss, health deterioration, or service gaps.

3. Ensure Equitable Access

Compare site-level disparities by race, gender:

Apply a racial equity lens to assess disparities and ensure just, inclusive services.

4. Enable Informed Decisions

Equip nonprofits with real-time dashboards:

Empower organizations like ACOF with insights to allocate resources and tailor delivery.



Our Data Sources

Why it matters: Blend lived experiences with economic data to uncover patterns in health, housing, and access to services.



ACOF

Supportive Housing Surveys

- LA/OC residents
- Real-time program impact



Cost of Living Dataset

- Open-source from Kaggle
- Housing, food, transit costs



Key Insight:

*In LA, transportation costs are **15%** higher than in OC, adding pressure to housing stability.*

Key Insights Driving Our Analysis

This project applies Business Intelligence and Tableau to explore five core questions that reveal how demographics, economic pressure, access to services, and lived experiences shape outcomes in supportive housing.



Demographics



Service Gaps



Food & Health



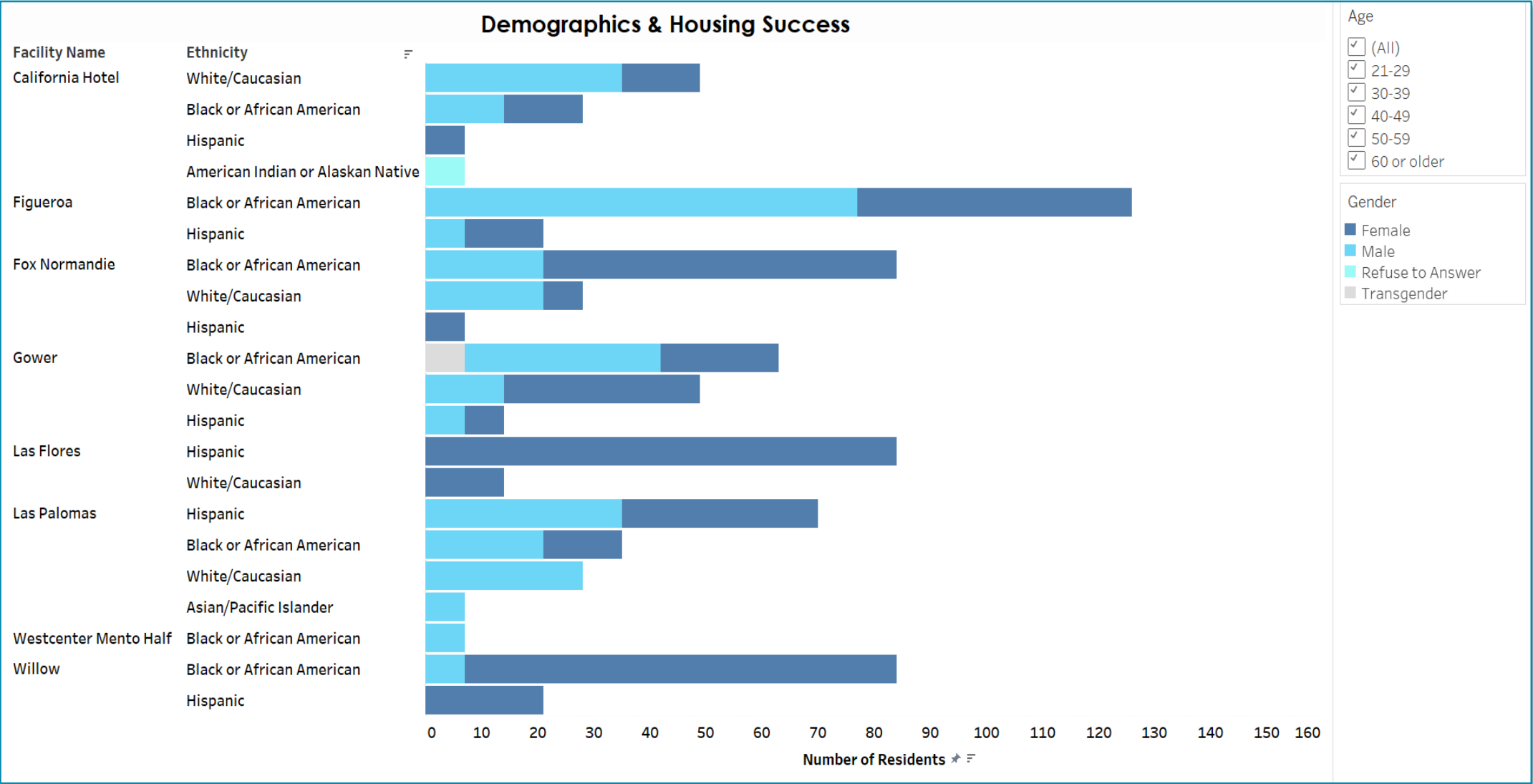
Resident Sentiment



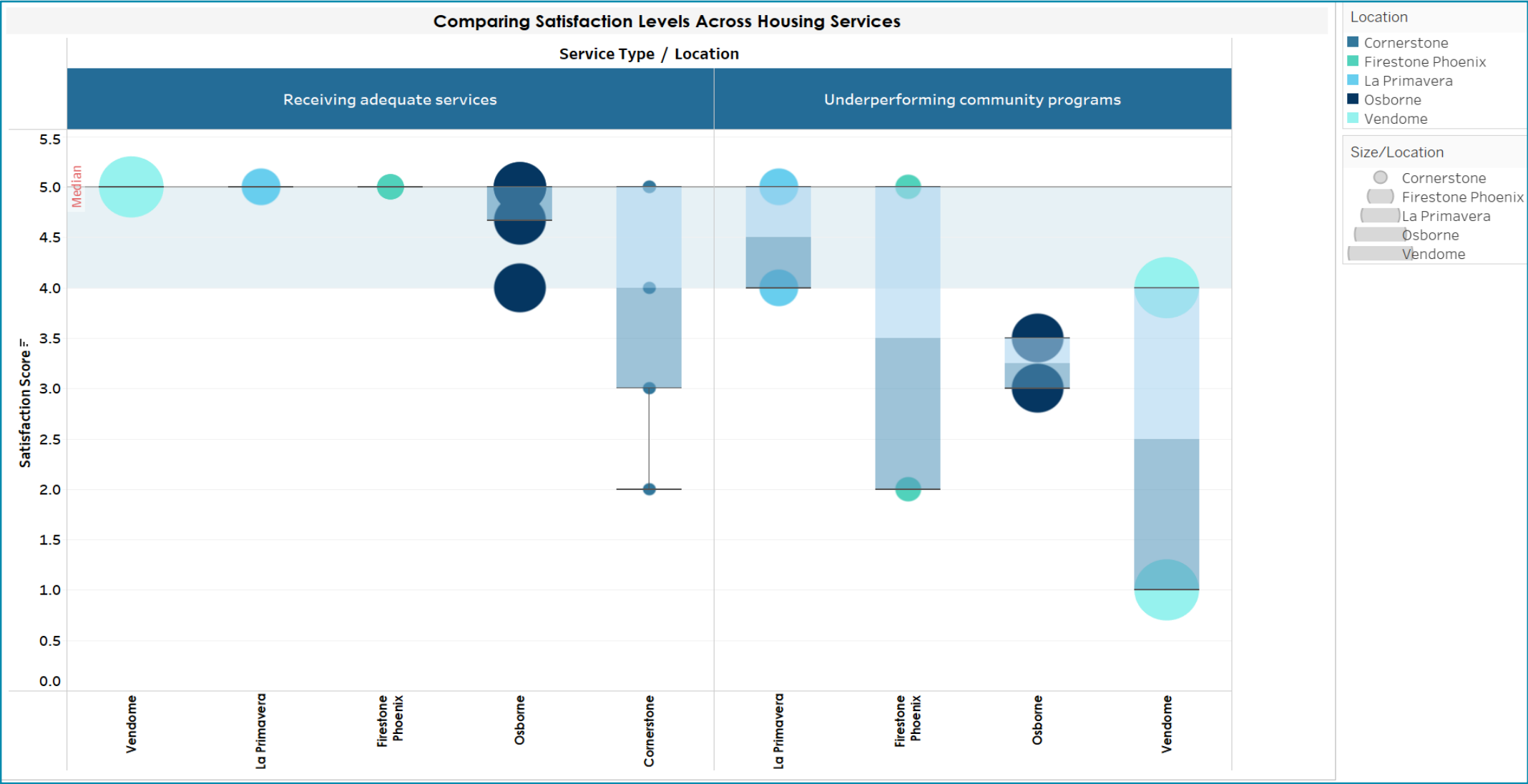
Cost of Living

Q1	Q2	Q3	Q4	Q5
Who lives in supportive housing, and how do gender and ethnicity vary across facilities?	Which service areas show the most variation in satisfaction levels?	How does access to fresh food influence resident health outcomes?	How do resident satisfaction scores vary across ACOF housing sites?	How do core living costs compare between LA and Orange Counties?

Distribution of Residents By Gender and Ethnicity Across Facilities



Service-Level Insights Across ACOF Housing Facilities



Food Access and Resident Health Outcomes at ACOF Sites

Food Access and Resident Health Outcomes at ACOF Sites														
Facility Name	Current Health Rating / Access to Fresh Food													
	Excellent		Very Good			Good			Poor			Fair		
	Within 3 blocks	Within 5 blocks	8+ blocks away	Within 3 blocks	Within 5 blocks	8+ blocks away	Within 3 blocks	Within 5 blocks	8+ blocks away	Within 3 blocks	Within 5 blocks	8+ blocks away	Within 3 blocks	Within 5 blocks
Figueroa	50%			100%		100%	100%	100%		67%		100%	75%	
Willow	100%				100%		100%	100%		100%	100%	50%	100%	100%
Gower	100%			100%		100%	67%	100%	100%	100%		100%	100%	100%
Fox Normandie	100%			100%			100%		100%	100%			100%	100%
Westcenter Mento Half										0%				
Las Palomas					50%		100%	0%	100%	80%	0%		57%	100%
Las Flores		100%		100%			67%	100%			100%	75%		
California Hotel			100%	100%			50%	0%	100%		100%	100%	100%	100%

Facility Name

x

☒ (All)

☒ California Hotel

☒ Figueroa

☒ Fox Normandie

☒ Gower

☒ Las Flores

☒ Las Palomas

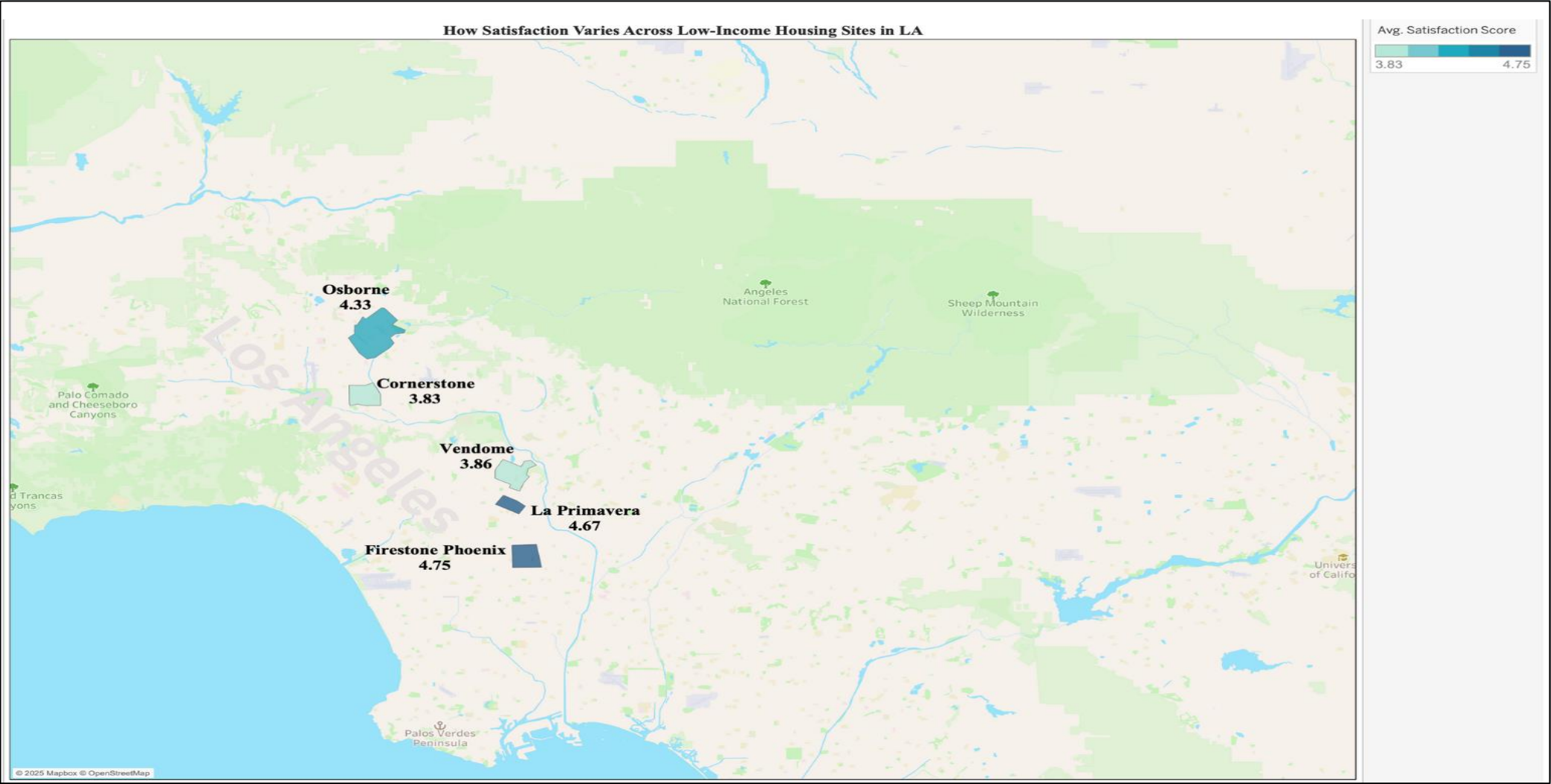
☒ Westcenter Mento ...

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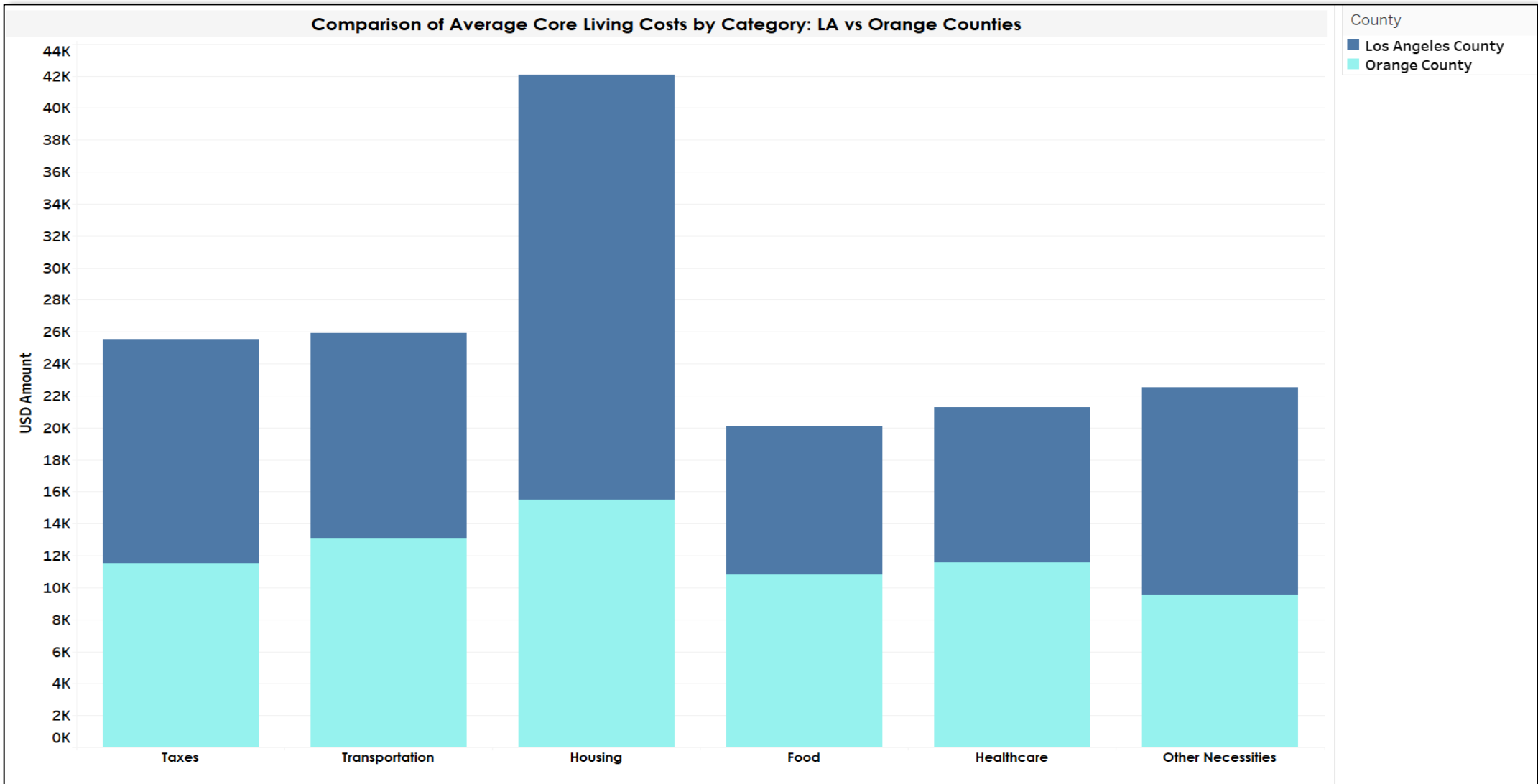
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How Satisfaction Varies Across Low-Income Housing Sites in LA



Comparison of Average Core Living Costs by Category: LA vs. Orange



Recommendations: Turning Insights into Action



Prioritize High-Need Facilities

Direct resources to sites with lower satisfaction scores or poor health outcomes.



Target At-Risk Residents

Use health, demographic, and tenure data to identify and proactively support high-need groups (e.g., seniors, long-term residents).



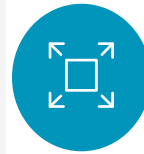
Pilot Predictive Analytics

Use BI tools to flag early risk indicators - like missed appointments - to enable timely intervention and better outcomes.



Strengthen Underperforming Services

Enhance community programming and case management where service gaps are evident.



Expand Fresh Food Access

Invest in partnerships or services that increase food access for residents in underserved areas.



These actions will help ACOF deliver more targeted, equitable, and data-informed support across all housing sites.

Closing Reflections: What We Learned & What Comes Next

“We envision a future where data empowers equity, housing means health, and every resident’s story shapes a stronger community.”



Concluding Thoughts

- Supportive housing is more than shelter—it's a base for stability and care.
- Every facility tells a different story. These insights help design fairer, smarter programs.



Key Takeaways

- Health and service access vary widely.
- Food access ties closely to chronic health.
- Demographics reveal equity gaps.
- Dashboards led us to clearer, deeper questions.



Why BI Matters

- BI turns raw data into smarter strategies.
- Tableau revealed key disparities.
- ACOF can target services where impact is greatest.



Thank You!

We appreciate your time and welcome your questions and reflections.

Because data doesn't just tell us what is—it helps us imagine what could be!

