# **Housing-First in Greater Cincinnati**

Walker Chung, Kelly Delano, Keeler Kime, Maya Scimeca, Calvin Ramirez, Adam Hutchinson, Eyad Bouso, Luke Miller, Marie Baldwin, Kalor Greve, Rhadika Shah, Lauren Oxendine

## Overview of SDH (Housing) and Community Impact

The social determinant of health that is being addressed is Housing. The housing-health connection has long been recognized, dating as far back as Victorian England, where the severity of cholera and other communicable diseases were postulated to poor housing conditions and improvement of such saw drastic drops in infection and mortality. A 2011 study by WHO quantified the number of deaths per 100,000 attributed to various housing factors such as low indoor temperatures, environmental tobacco smoke, house mold, traffic noise exposure, and lack of home safety features. Housing difficulties contribute to the development of chronic diseases as well as the efficacy of managing chronic diseases. Lack of housing/unstable housing situations negatively impact physical and social health, leading to diseases. Prioritizing basic needs leads to reduced visits to doctor (Emergency Room visits) and increased medication adherence.

Cincinnati Policy (Emergency Medicine and the Housing-First Population)
Emergency Medical Treatment and Labor Act (EMTALA)

## Rational for Policy Modification

The findings of the interviews suggest that individuals experiencing homelessness and substance abuse have more negative experiences related to the Emergency Department than to providers in primary care or specialty fields. This indicates that to improve healthcare experiences in populations such as these, the healthcare system should closely examine Emergency Departments and their policies.

Bursch et al. found in a survey of 258 ED patients, the five variables rated most impactful on patients' overall ED experiences were: wait time before being seen; perceived level of care by nurses; perceived staff organization; 4-perceived level of care by physicians; and 5-information provided to them about their care (Bursch). This correlates with our interview results, as the residents often cited not feeling well cared for as the primary reason for discontent with ED visits.

### Proposed Advocacy Strategy

Our findings: Through interviews with a population of people with a history of housing instability, substance use disorder, and various psychiatric disorders, we found many common threads in their experiences with healthcare. They perceived many barriers to

receiving care, both intrinsic – from their personal biases – and extrinsic – from systematic issues. Many of the residents described feeling stigmatized by their medical, psychiatric, and living conditions, so they delayed their care until it became emergent. They reported the most negative experiences in the Emergency Department, and conversely, they reported the most positive experiences from primary care and specialty providers. Many of these issues, when discussed further, rooted from the patient's desires for the provider to listen, show respect, and give them time.

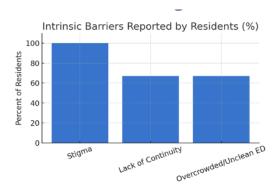
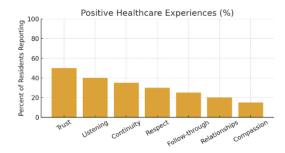


Figure 1: Intrinsic Barriers Reported by Residents



**Figure 3: Positive Healthcare Experiences** 

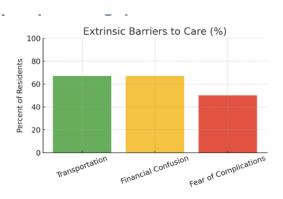


Figure 2: Extrinsic Barriers to Care



**Figure 4: Advocacy Strategy Focus Areas** 

### Works Cited

Bursch B, Beezy J, Shaw R. Emergency department satisfaction: what matters most?. *Ann EmergMed*. 1993;22(3):586-591. doi:10.1016/s0196-0644(05)81947-x

D'Alessandro D, Appolloni L. Housing and health: an overview. *Ann Ig.* 2020;32(5 Supple 1):17-26. doi:10.7416/ai.2020.3391

Wilder ME, Kulie P, Jensen C, et al. The Impact of Social Determinants of Health on Medication Adherence: a Systematic Review and Meta-analysis. *J Gen Intern Med*. 2021;36(5):1359-1370. doi:10.1007/s11606-020-06447-0

Tinland A, Loubière S, Boucekine M, et al. Effectiveness of a housing support team intervention with a recovery-oriented approach on hospital and emergency department use by homeless people with severe mental illness: a randomised controlled trial. *Epidemiol Psychiatr Sci.* 2020;29:e169. Published 2020 Sep 30. doi:10.1017/S2045796020000785

Kerman N, Polillo A, Bardwell G, et al. Harm reduction outcomes and practices in Housing First: A mixed-methods systematic review. *Drug Alcohol Depend*. 2021;228:109052. doi:10.1016/j.drugalcdep.2021.109052

Gallaher C, Herrmann S, Hunter L, Wilkins A. The St Thomas' Hospital Emergency Department Homeless Health Initiative: improving the quality, safety and equity of healthcare provided for homeless patients attending the ED. BMJ Open Quality. 2020;9:e000820. https://doi.org/10.1136/bmjoq-2019-000820