

Discover the HOUSES Platform

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Welcome to the inaugural edition of the **HOUSES Platform Monthly Update!** This newsletter is to keep you informed about the latest developments and advancements related to the **HOUSES (HOUsing-based SocioEconomic Status Index) Platform**.

Each month, we will share updates on new features, research applications, real-world case studies, and upcoming events related to the **HOUSES Platform**. Whether you're a clinician, researcher, data scientist, healthcare administrator or educator, our goal is to provide valuable content that enhances your understanding and utilization of HOUSES in advancing translational science, accelerating your effort for health equity, and improving patient outcomes and healthcare efficiency.

Why HOUSES Matters?

The HOUSES Index is the only real-time, validated, objective, standardized, nationwide, individual-level socioeconomic status (SES) measure without patient contact. As SES is a key determinant of one's social and physical environment, it assesses cross-sectional and longitudinal exposure for translational science research. Also, it enables more precise analyses of social determinants of health (SDOH) and their impact on health outcomes and care quality. Thus, it improves risk stratification beyond traditional neighborhood-based indices, like Area Deprivation Index (ADI).

HOUSES Research Highlight

"Your Address Matters More Than You Think – Socioeconomic Disparities in Kidney Transplantation"



Where you live and your socioeconomic status (SES) can significantly impact your chances of receiving a kidney transplant and how long your transplant lasts. Traditional SES measures, like neighborhood-level data, often miss individual differences, but the HOUSES Index provides a more precise, patient-centered approach.

A study by [Kizilbash et al.](#) found that patients with lower SES (measured by HOUSES) were 30% less likely to receive a preemptive transplant, are almost 50% more likely to be on dialysis longer than three years and have 36% higher risk of graft failure compared to those with higher SES. This highlights how social factors directly impact life-saving transplant outcomes.

Why does this matter? By integrating HOUSES into transplant decision-making, healthcare teams can better identify at-risk patients, address barriers to transplant access, and improve long-term

outcomes. This approach could help reduce disparities and ensure more equitable care in kidney transplantation. **Did you know?** The HOUSES Index has helped researchers evaluate **over 65 health outcomes**.

Notable News

HOUSES was introduced to the CTSA Program Webinar. Young J. Juhn, M.D., M.P.H. (Director, HOUSES Program) presented HOUSES during the CTSA Program Webinar in October 2024. [The HOUSES Platform Novel Social Determinants of Health Metric & A Digital Biomarker in Clinical and Translational Research](#) (Slides #44-69)

HOUSES was featured in World Economic Forum. John D. Halamka, M.D., M.S. (Dwight and Dian Diercks, President, Mayo Clinic Platform) identified HOUSES as one of four AI technologies to make healthcare better and more equitable, World Economic Forum in November 2024. [How AI can make healthcare better and more equitable | World Economic Forum](#)

Please feel free to contact us via HOUSESINDEX@mayo.edu for any questions or more information.

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