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Child Opportunity Index and Developmental Outcomes in a High-Risk Infant Population

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Abstract

The Child Opportunity Index (COI) is a tool that provides a multifaceted, intersectional approach to measuring opportunity for children based on geographic location. COI is a validated, nationally normed, publicly available composite index based on census tract data that takes race/ethnicity, education, health/environment, and social/economic factors into consideration.

Multiple studies have shown correlation between COI and childhood health outcomes but literature evaluating the impact of COI on outcomes in high-risk infant populations is limited. This retrospective cohort study aims to investigate the association between an infant's COI level and developmental scores at 6-, 12- and 24-months corrected age on the Bayley Scales of Infant and Toddler Development.

The hope for this study is that if an association is found between COI and developmental outcomes, the data can help drive advocacy for equitable access to resources and mitigate the impact of opportunity level on child development outcomes.