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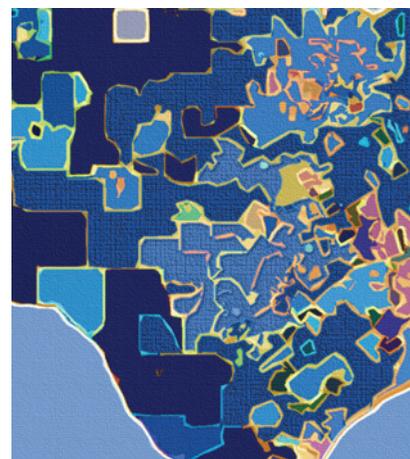
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- 2342 Genetic Polymorphisms Involved in Mitochondrial Metabolism and Pancreatic Cancer Risk**
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ABOUT THE COVER

The cover image is adapted from Figure 1 in the article “Neighborhood Socioeconomic Deprivation and Mortality in Children with Central Nervous System Tumors,” by Fahmideh and colleagues. The original figure shows distribution of area deprivation index (ADI) scores in Texas and selected metropolitan areas. Previous studies demonstrated the impact of neighborhood socioeconomic deprivation on survival among children with acute leukemia; however, little knowledge is available on the association between neighborhood socioeconomic deprivation and pediatric CNS tumor survival. Therefore, Fahmideh and colleagues aimed to examine the influence of neighborhood socioeconomic deprivation, using ADI, on the survival of pediatric CNS tumors and to investigate whether demographic characteristics such as sex, race/ethnicity, and metropolitan residency could potentially modify the identified associations. The results showed a significantly increased hazard ratio (HR) for death among children in the most (HR 1.29, 95% CI, 1.09–1.51), second-most (HR 1.18, 95% CI, 1.01–1.38) and third-most disadvantaged census tracts (HR 1.18, 95% CI, 1.02–1.37) compared to children in the least disadvantaged tracts. Children living in the most disadvantaged neighborhoods experienced a significantly higher risk of mortality, indicating the important role of socioeconomic disparities in the survival of pediatric CNS tumors. The demographic and socioeconomic disparities identified by this study should be considered when planning treatment strategies for these susceptible groups and thus, lead to a better outcome in socioeconomically disadvantaged children diagnosed with CNS tumors. For more information, see the article beginning on page 2278.



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