

Abstract

Investigating the Spatial Relationships Between Environmental Toxins and Autism Spectrum Disorders

Track: Health and Human Services

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ICARD at Eastern Michigan University using GIS to address knowledge gaps in the epidemiology of neurological impairments, specifically autism spectrum disorders. While considerable speculation and some research on the connection between environmental and neurological conditions have occurred, no one has yet taken advantage of the large but diverse array of relevant data sources that can be integrated through spatial analysis. We believe the visual power of GIS visualization can make a major contribution to advancing scientific analysis. Findings from this research will have the potential to play a key role in shaping public policy that addresses treatment and prevention of autism.

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