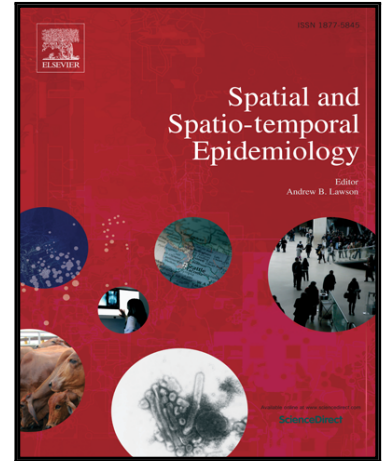


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The Geo-Spatial Distribution of Childhood Diarrheal Disease in West Africa, 2008-2013: A Covariate-Adjusted Cluster Analysis

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**The Geo-Spatial Distribution of Childhood Diarrheal Disease in West Africa, 2008-2013:
A Covariate-Adjusted Cluster Analysis**

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Highlights

- Cluster analysis detects statistically significant areas of heightened risk of childhood diarrheal disease in West Africa.
- The clusters are partially explained by household and climatic factors such as mother's education and rainfall.
- Remaining clusters highlight areas where specific development and adaptation interventions are still required.

Abstract

Diarrhea is a major cause of morbidity and mortality among children in West Africa. To determine whether there are areas of heightened risk and if so, how they may be influenced by household and climatic variables, we describe the geo-spatial distribution of childhood diarrhea in ten countries of West Africa for the period 2008-2013 using data from Demographic and

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