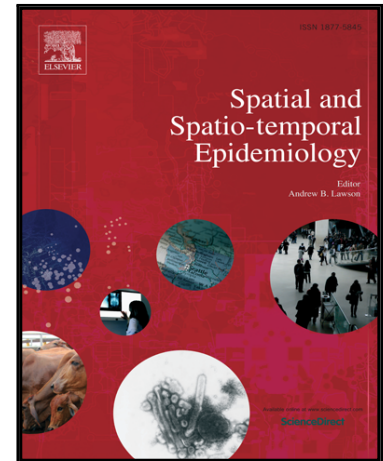


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Spatial and population drivers of persistent cholera transmission in rural Bangladesh: Implications for vaccine and intervention targeting

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Highlights

- Cholera is endemic in Bangladesh
- A 10-year geocoded cholera surveillance dataset in rural Bangladesh was used to characterize local clusters in space and time
- Persistence of the local clustering is related to both the population composition and ongoing spatial diffusion from nearby areas over time
- The risk for cholera in a community was attributed to a higher proportion of under-five children living in the area and the cholera incidence rate in nearby communities in both the present and previous year
- Targeting interventions in communities that have persistent endemic cholera would be an effective strategy to eliminate cholera and block diffusion of the disease

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