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Modeling Spatial Invasion of Ebola in West Africa

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Highlights

- We developed gravity spatial models of transmission for the 14-16 Ebola epidemic
- Country and district scale models successfully couple Guinea, Sierra Leone, Liberia
- Local intervention in Liberia was most effective, reducing epidemic in all countries
- Intervention in some regions with few cases substantially reduced overall epidemic
- These spatial indirect protective effects can be used to target intervention efforts

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