



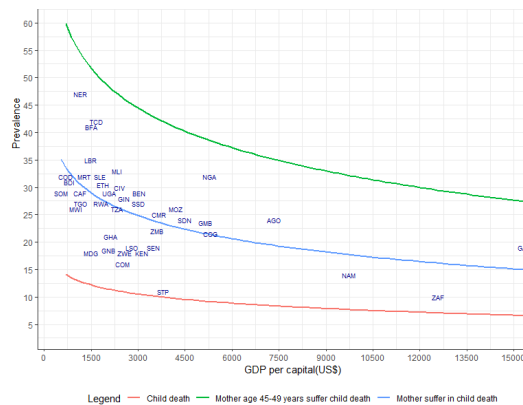
Mapping and associated factors of mothers' suffering and child mortality in Sub-Saharan Africa

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Abstract

Child death and mothers who suffer from child death are a public health concern in Sub-Saharan Africa. The location, associated factors, and potential causes of child death and mothers who suffer child death were not identified. To monitor and prioritize effective interventions, it is important to identify hotspots, associated factors, and potential causes of cases. Data from nationally representative demographic and health survey and Multiple Indicator Cluster administrated in 42 Sub-Sahara Africa countries, which comprised a total of 398,574 mothers with 1,521,312 children. Spatial heterogeneity conducted hotspot regions identified. A mixed-effect regression model was run, and the adjusted odds/incidence-rate ratio with corresponding 95%CI was estimated. The prevalence of mothers who suffer child death 27% and 45-49 year of age mother 48%. In Niger, 47.1% of mothers were suffering child death. Being haven't HIV knowledge, Stunted, wasted, uneducated, not household head, poor, from rural, and from subtropical significantly increased the odds of the case ($P < 0.05$). The spatial analyses can support the design and prioritization of interventions. Child mortality and women who suffer child mortality have a strong inverse relationship with GDP per capita, mothers aged 45–49 were more strongly inversly correlated. Multisectral interventions for mothers who suffer child death are urgently needed, improve maternal health and it will reduce the future risk of cases.



Biography

Bayuh Asmamaw Hailu is an Epidemiologist and Biostatistician at Wollo University. He has his expertise in evaluation and passion in improving the health and wellbeing. His open and contextual evaluation of geographic and non-geographic models based on responsive constructivists creates new pathways for improving health care. He has been modeled in research after years of experience in evaluation, and administration in health, agriculture, and education sectors. He has ample knowledge of different open source GIS and other statistical software. He used to link his software ability and his health education background and experience, and he can easily show health problems for planners and decision-makers as well as any concerned bodies.



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