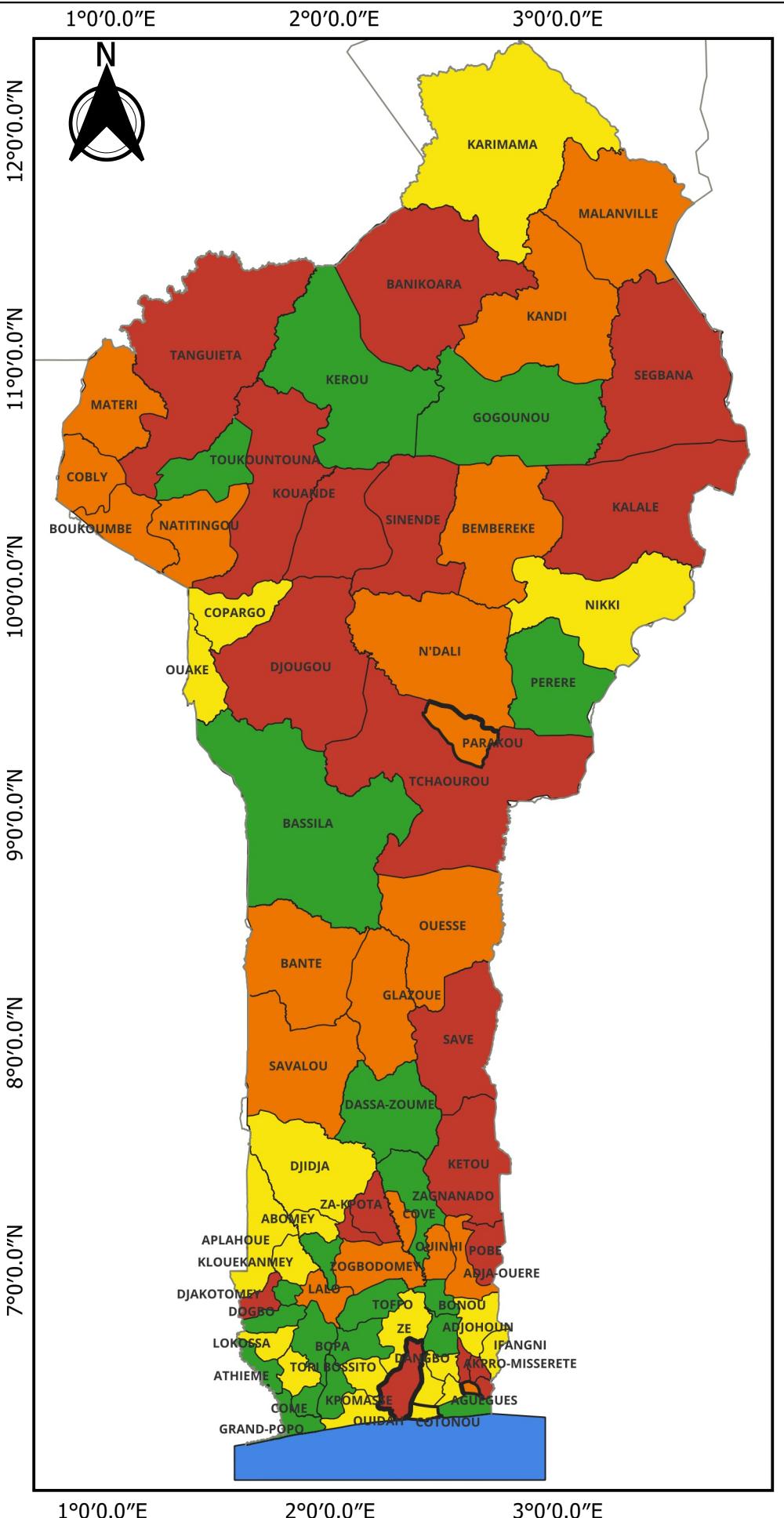


Urban–Rural Patterns of Healthcare Accessibility in Benin

Commune-level composite accessibility index



Legend

Healthcare accessibility level (composite-based) :

- [Green square] Good access
- [Yellow square] Medium access
- [Orange square] Poor access
- [Red square] Very Poor access
- [Blue square] Océan Atlantique

DATA SOURCES

Health facilities: Ministry of Health, Benin
Population data: RGPH4 – INStAD Benin
Administrative boundaries: IGN Benin

METHODOLOGY

Healthcare accessibility was assessed using a composite index combining average distance to health facilities, demographic pressure and facility capacity. Indicators were normalized using min–max scaling and aggregated at the commune level. Accessibility levels were classified into four categories using a quantile-based approach. Urban–rural differences were analyzed based on commune administrative status.

INTERPRETATION

Urban communes tend to concentrate higher healthcare demand, which may offset their higher facility density. Conversely, some rural communes show moderate accessibility due to lower demographic pressure.

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