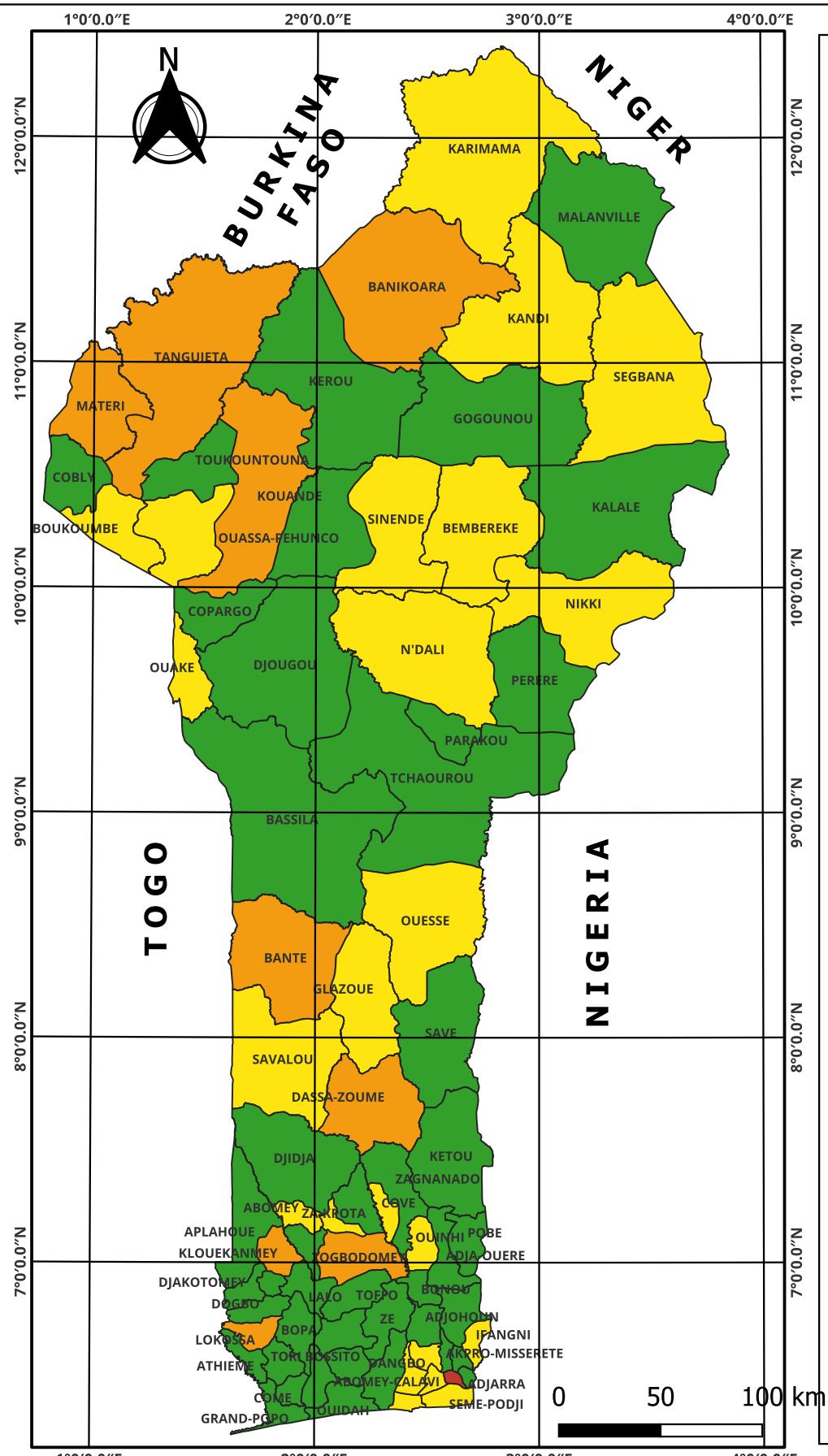


Sensitivity Analysis of the Healthcare Accessibility Index – Benin

Impact of weighting scenarios on commune-level accessibility classification



Legend

Sensitivity levels

- Stable
- Slightly sensitive
- Sensitive
- Highly sensitive

DATA SOURCES

Health facilities: Ministry of Health, Benin

Population: RGPH4 – INStaD

Administrative boundaries: IGN Benin

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METHODOLOGY

This map presents a sensitivity analysis of the Healthcare Accessibility Index.

Several weighting scenarios were tested by modifying the relative importance of distance, demographic pressure and facility capacity. Sensitivity levels were defined according to the number of classification changes observed across scenarios, ranging from stable to highly sensitive communes.

This analysis helps assess the robustness of the accessibility index and identify areas where results depend strongly on modeling assumptions.