

## **Analysis of the viability of health insurance in Cote d'Ivoire: A theoretical and empirical study**

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### **Abstract**

This article presents a possible use of sustainability tools in the framework of an economic model of a sustainable social health insurance system. Our study proposes to question the sustainability of the social protection system in relation to the Universal Health Coverage policy adopted by the State of Côte d'Ivoire. The objective of this article is to analyse the sustainability of universal health coverage using the mathematical tools of sustainability theory. The theory of sustainability allows the integration of the main characteristics of sustainable insurance. The results of our study show that the Ivorian social insurance system (UHC) cannot be sustained over time. Universal health coverage will not be able to ensure the financial protection of Ivorians in the long term. It will therefore be necessary to rethink its mode of financing and control the rapid growth of the population.

**Keywords:** Sustainability theory, sustainability kernel, multi-criteria approach, health insurance, intergenerational equity.

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