



HAL
open science

Equity in health care finance and delivery: what about Africa ?

Boubou Cissé, Stephane Luchini, Jean-Paul Moatti

► **To cite this version:**

Boubou Cissé, Stephane Luchini, Jean-Paul Moatti. Equity in health care finance and delivery: what about Africa ?. 2006. halshs-00409670

HAL Id: halshs-00409670

<https://shs.hal.science/halshs-00409670>

Preprint submitted on 11 Aug 2009

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

GREQAM

Groupement de Recherche en Economie
Quantitative d'Aix-Marseille - UMR-CNRS 6579
Ecole des Hautes Etudes en Sciences Sociales
Universités d'Aix-Marseille II et III

Document de Travail
n°2006-11

EQUITY IN HEALTH CARE FINANCE AND DELIVERY: WHAT ABOUT AFRICA ?

Boubou CISSÉ
Stéphane LUCHINI
Jean Paul MOATTI

FEVRIER 2006

DT-GREQAM

Equity in Health Care Finance and Delivery : What about Africa ?[†]

Boubou Cissé^{1,2} Stéphane Luchini³ Jean Paul Moatti^{1,4}

1. INSERM Research Unit U379, Social Sciences Applied to Medical Innovation, Marseille, France
2. World Bank, Washington DC, USA.
3. GREQAM-CNRS, Marseille, France
4. Faculty of Economics, University of the Mediterranean, Marseille, France

Abstract

This paper applies concentration curves and indices, that have been previously used to analyze progressivity in health care finance and horizontal equity in health care delivery in developed countries, to a 1998-1999 household survey about health care expenditures and utilization carried out in four francophone West African capitals (Abidjan, Bamako, Conakry and Dakar). The paper also uses statistical inference for testing stochastic dominance relationship between curves, a technique already applied in the literature about equity in taxation, as the criterion for making rigorous inequality comparisons. In all four capitals, the results strongly suggest a regressive pattern of payments for health care, with lower income groups bearing an higher burden of health expenditures as a proportion of their income than do the higher income segments of the population. As soon as dominance between concentrations curves is statistically tested, results appear less conclusive, notably for the groups of population affected by severe morbidity, on the issue of horizontal inequity in health care delivery, which requires that persons with similar medical need be treated equally. Some recommendations are made for the use of equity measurements in access to care for future evaluations of the impact of health care reforms in Africa.

Keywords : Equity, Health care, progressivity, inequality, stochastic dominance.

JEL Classification : : C14, D63, I19

[†] Corresponding author : Jean- Paul Moatti, INSERM U-379, 23 Rue Stanislas Torrents, 13006 Marseille, France. E-mail : moatti@marseille.inserm.fr ; Tel :00 33 (0) 491223502 ; Fax : 00 33(0) 491223504