

Conditions for a universal HIV screening test in Ivory Coast: a sample selected bias estimation and two “new unbalanced logit” estimations approach.

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The knowledge of the serologic status of individuals helps to initiate adequate policies in the fight against HIV. Unfortunately in many African countries the HIV screening rate is significantly low. It is approximately 5% of the total populations in many sub-Sahara African countries, precisely 4.7% in Ivory Coast. But, the African continent is the most infected one and account for 70% of death due to HIV. The present work target was to study, firstly, the factors that influence the decision of individuals to accept or refuse a proposed screening test and, secondly, the factors that made those who have already done the test for doing it themselves. The Heckman two stage method is used to extract factors of acceptability of the screening test and two “new unbalanced logit” methods are proposed to estimate determinants of a HIV screening test, for people who have done a test on their one initiative.

Key Word: Heckman two stage estimation-HIV screening test-new unbalanced logit estimation.