

Topic: Multilevel analysis of the HIV testing in Burkina Faso

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BURKINA FASO

Background

HIV / AIDS: a public health problem

X HIV testing = Prevention methods

No testing or late diagnosis of HIV is associated with new HIV infections, increased morbidity, mortality and health care costs.

Data & methods:

Data source: the 2010-Burkina Faso Demographic and Health Survey (BF DHS), sample of 7,178 men 15-59 years of age and 16, 798 women 15-49 years of age who indicated that they had heard about HIV / AIDS at least once.

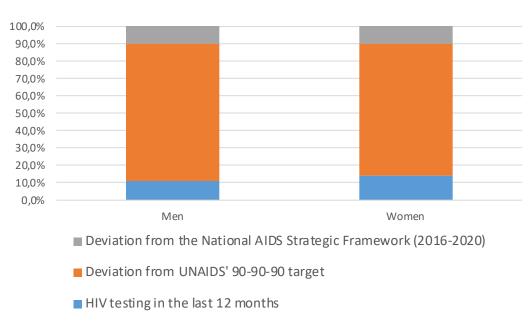
Bivariate analysis
Multilevel logistic analysis

All analyses were stratified according to sex and conducted using SPSS, MLwiN & Excell

Model: $\operatorname{logit}\left(\pi_{ij}\right) = \operatorname{ln}\left(\frac{\pi_{ij}}{1-\pi_{ij}}\right) = \left(\beta_0 + \mu_{0j}\right) + \alpha_1 X_{ij} + \alpha_2 X_{ij} T_i + \lambda T_i + e_{ij}$

Findings

Graphic: Percentage of persons who have been tested for AIDS in the last 12 months compared to national and international targets by 2020



In short, community characteristics influence HIV testing even though it is more dependent on the individual characteristics. What about the HIV self-testing?

<u>Table</u>: Multilevel logistic regression for uptake of HIV testing by some characteristics (stratified by gender)

Odds Ratio	
Men	Women
ref	
1,69***	1,40***
3,31***	2,16***
ref	
1,97***	1,68***
2,39***	2,04***
2,16*	1,99 ns
1,78*	1,44 ns
1,166***	0,711***
	Te 1,69*** 3,31*** 1,97*** 2,39*** 2,16* 1,78*

***p\le 1\%0; **p\le 1\%0; *p\le 5\%0; ns = not significant

Source: Computation from BF DHS, 2010