

## Determinants of HIV testing in the general population in Portugal Filipa Aragão<sup>1,2</sup>, PhD and Pedro Moura Ferreira<sup>3</sup>, PhD 'Escola Nacional de Saúde Pública 'Associacio SERa 'Instituto de Ciências Sociais

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# Introduction/Objectives

The right entry into HIV care results in health benefits to the HIV-infected individual by decreasing morbidity and mortality. It also helps community through its impact on infectiousness [1], indeed, test-and-treat strategies for the pre-entrol individuous by that perind infection could markedly decrease ongoing HIV transmission [2]. As a result, HIV testing guidelines have been revised and/or issued and significant resources have been allocated to example HIV testing [3].

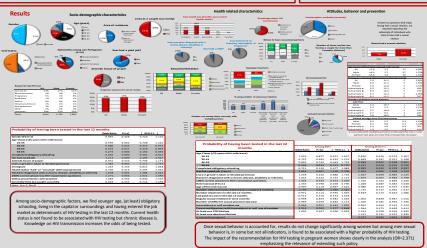
In recent years, Portugal has engaged in efforts towards an earlier diagnosis by means of increasing the number of lests performed [A, 5]. Moreover, retesting guidelines have recently been presented for public discussion [6]. In his context, in order to ensure effective. HIV testing and considering that HIV is testing in Portugal is non-mandatory, it is relevant to understand which factors are associated with an increased probability of being tested for HIV, in the population, in general.

Among MIV infected individuals in Portugal, illness/hospitalization has been identified as a major reason for being tested for HIV and perception of low risk popinted as the main reason for not having been tested prior to diagnosis [7]. We aimed at understanding whether these results are observed in the population, in general.

### Materials and methods

Data were collected within a study of sexual patterns of behavior and the HIV/AIDS infection in Portugal [7]. A representative sample was obtained consisting of 3,643 randomly selected individuals, aged 16 or older in continental Portugal. Data was collected by means of a questionnaire described elsewhere [7].

Logistic regression analysis was performed to identify factors associated with ever having been HIV tested and with having been tested in the last 12 months. Three sets of factors were considered: socio-demographic, health and knowledge/attitudes/behaviors. The statistical analysis was performed in Stata 11".



### Conclusion

In line with the results by Carvalho [7] among people living with HIV, in this analysis in the population, in general, (chronic) illness is also found to be associated with HIV testing. Once sexual behavior is accounted for, while in women, socio-demographics and pregnancy are found to be the main drivers, in men risk perception is found to play a role. Worth noting that in women, sexual risk behavior is not found to be associated with an increased

probability of HIV testing in the last 12 months and among men, the effect is not clear in all indicators suggesting a margin for improvement.

The impact of the recommendation for HIV testing in pregnant women shows clearly in the analysis emphasizing the relevance of extending such policy and recently issued provider driven HIV testing guidelines are likely to be step in that direction. Worth noting, nonetheless, that outreach testing approaches are likely to be required to reach high prevalence subgroups with diminished access to health care.

### References