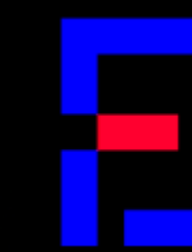


Men who have sex with both men and women (MSMW) in West Africa

Factors associated with a **high behavioral risk of acquiring HIV from male partners and transmission to women (HBRMF)**

CohMSM ANRS 12324



EXPERTISE FRANCE

1) Background

- Mixed HIV epidemics in West Africa
- High stigma and heteronormative social pressure, **widespread bisexual behaviors** among MSM

2) Objectives

- To evaluate **high sexual risk with both male and female partners among MSMW** (ie. at high behavioral risk of acquiring HIV from male partners and transmission to women (**HBRMF**)) : proportion, associated factors

3) Setting and data collection

The CohMSM Cohort (comprehensive HIV/STI prevention package for MSM in community-based clinics)

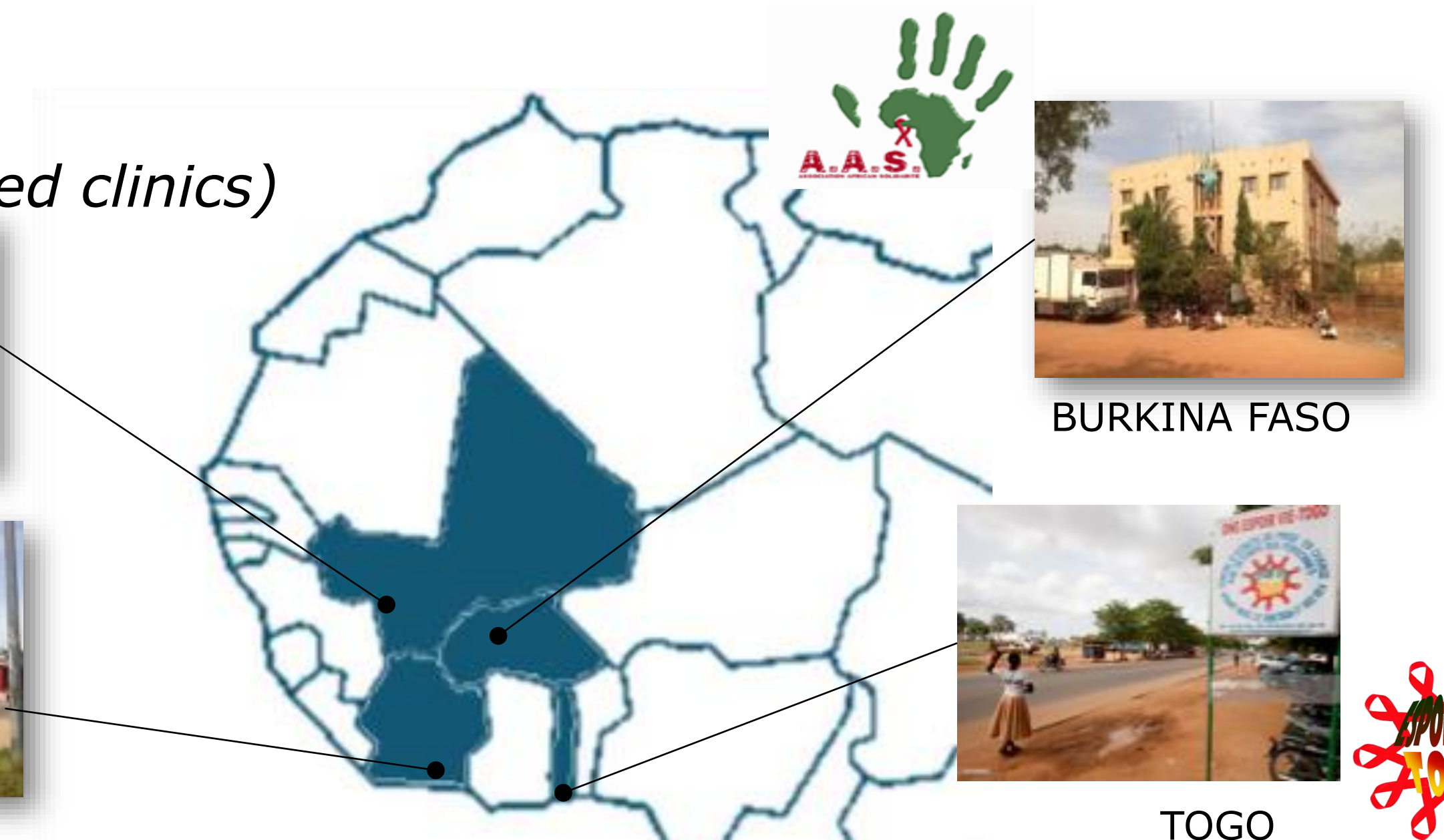
- 630 MSM HIV-negative at enrollment
- Quarterly counseling, prevention package and medical follow-up
- Socio-behavioral survey every 6 months (2015-2017)



MALI



COTE D'IVOIRE



BURKINA FASO



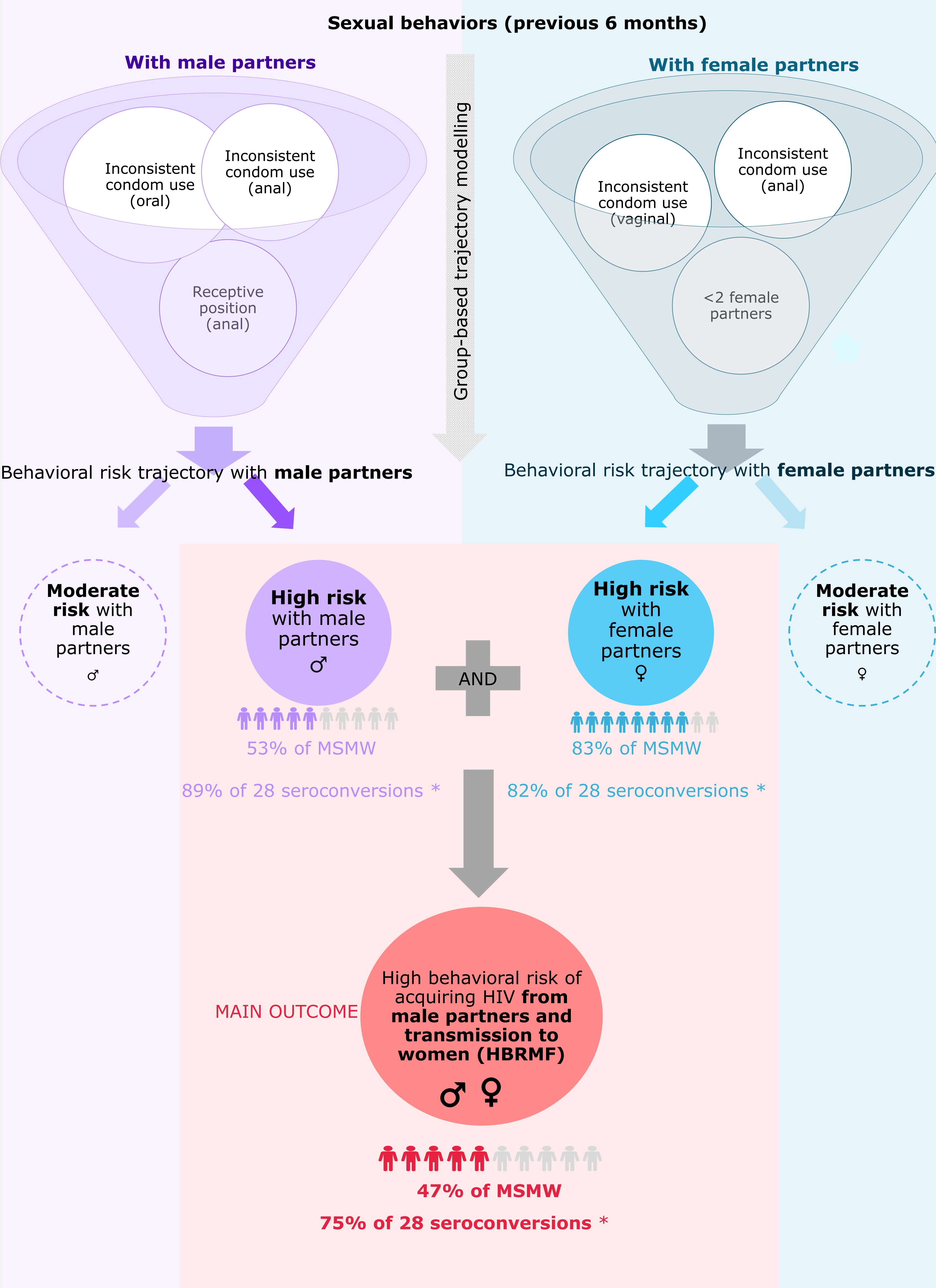
TOGO

4) Study population

- 304 MSMW** (ie. ≥ 1 female partner during 18 months of follow-up)
- 916 observations

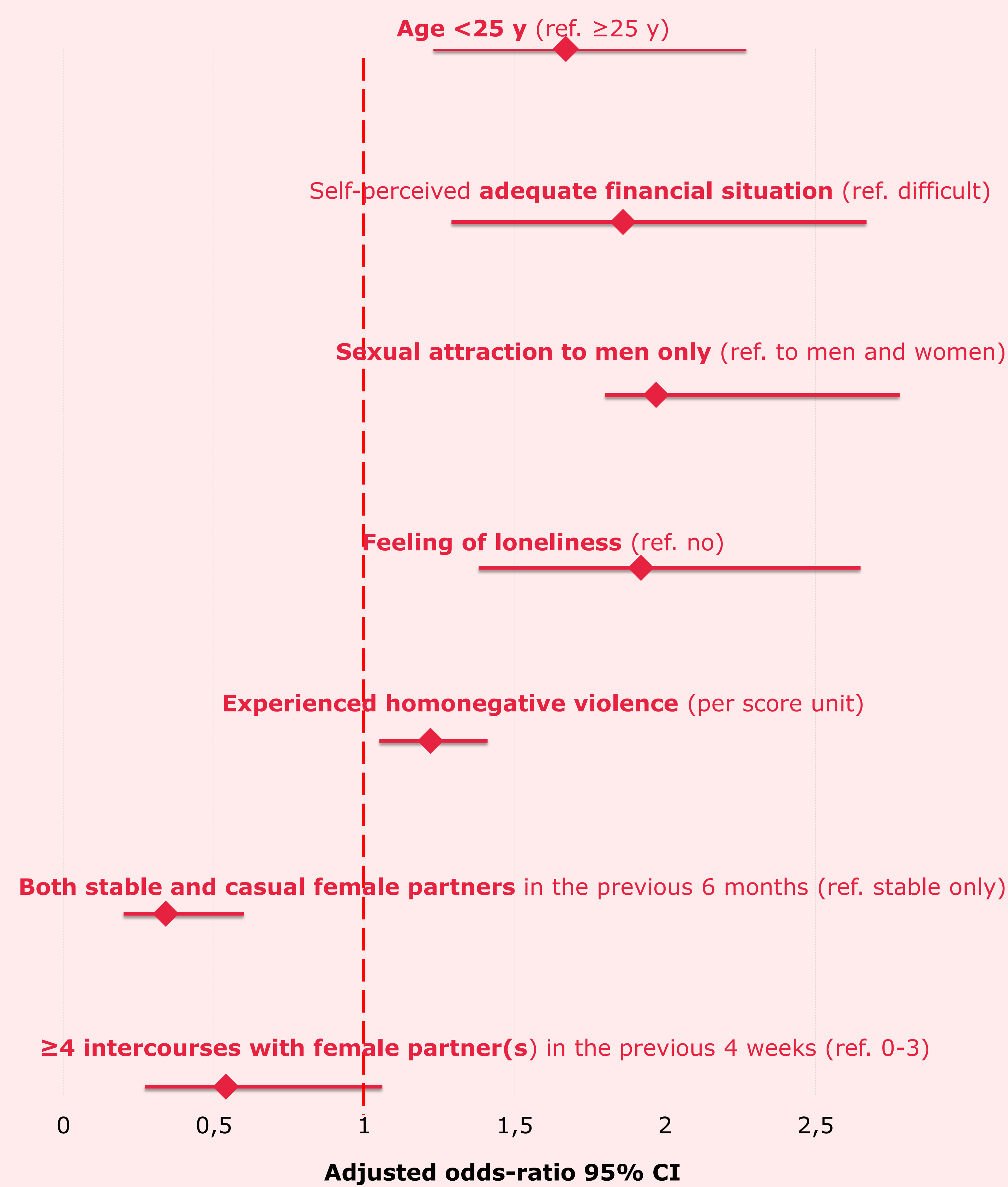
5) Statistical analysis and results

5a) Intermediary analysis : construction of the main outcome (**HBRMF** $\sigma\text{♀}$)



5b) Factors associated with **HBRMF** $\sigma\text{♀}$

Multivariate logistic regression (generalized estimation equation on longitudinal data)



6) Implications for HIV research and prevention

- Concern with half of MSMW at HBRMF (=22% of MSM included in CohMSM)
- Homophobic environment might increase the risk of HIV transmission to women (especially stable female partners)
- Need to increase and adapt HIV prevention for MSMW in their female sexual partnerships

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Authors sincerely thank the CohMSM's participants and the community-based organizations involved. We have no relevant financial relationships with ineligible companies to disclose.

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