User Costs for HIV Testing in Rural Malawi

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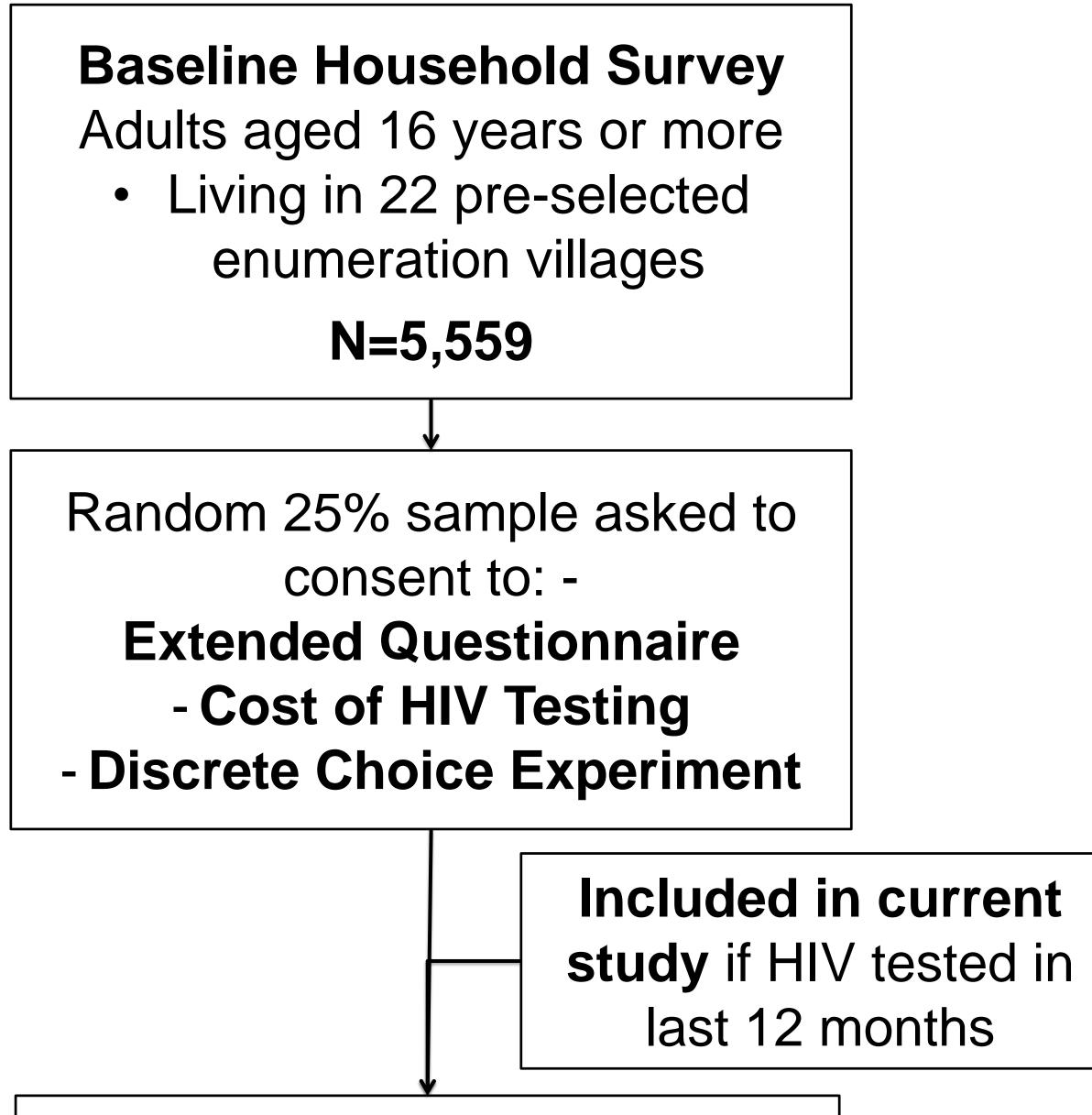
Introduction

- Only 50% of people living with HIV in sub-Saharan Africa know their HIV status, imp efforts to increase coverage of treatment
- Key barriers to testing include direct and indirect \bullet costs and lack of convenience

Aim:

To analyse the extent to which costs and their drivers influence access and demand for HIV testing among rural Malawian communities.

Methods: Design Schema



Completed Costing Questions and recently tested (N=749)

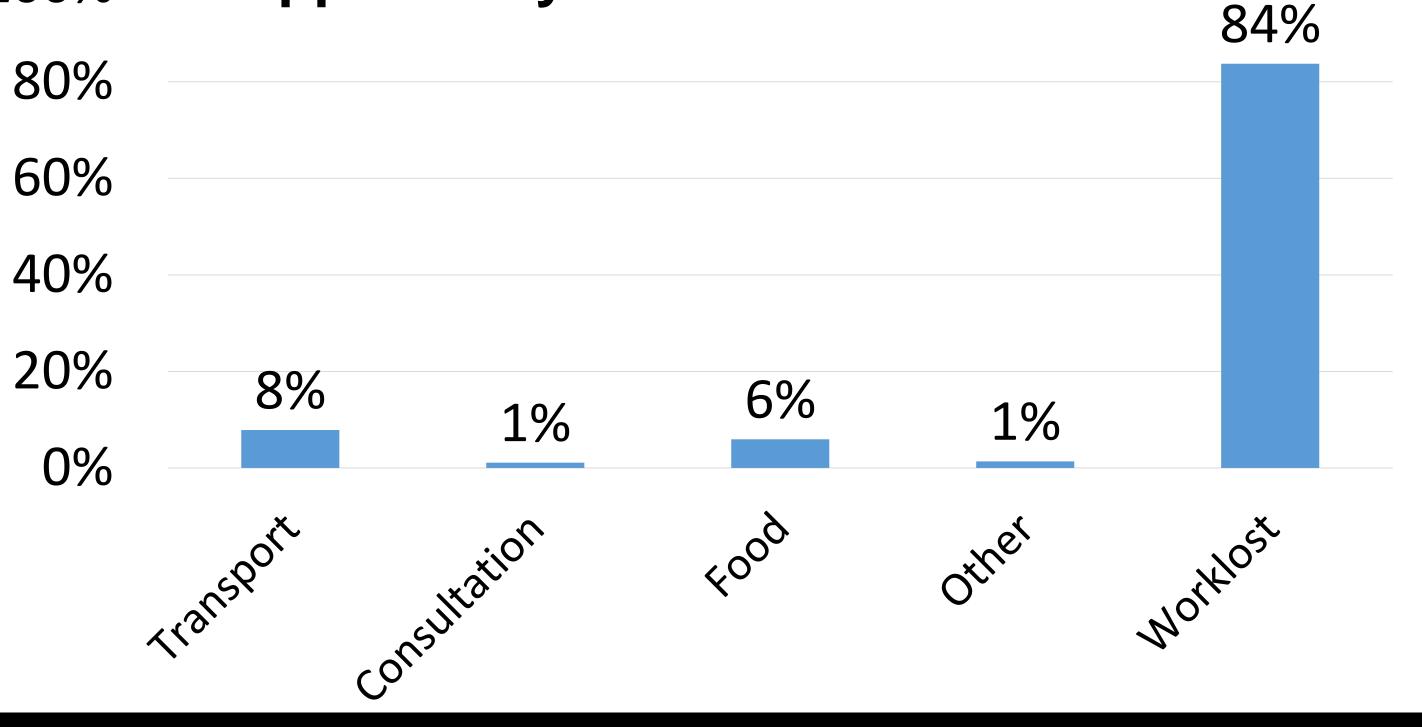
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Results			
USD\$ costs reported by category and gender			
Cost (USD\$) Composition	Men (USD)	Women (USD)	
Transport	0.26	0.16	
Consultation	0.03	0.03	
Child Care	0.06	0.01	
Meal	0.18	0.13	
Other	0.06	0.02	
Work Lost	3.28	1.50	
Total	3.86	1.86	

- Median cost for many categories was zero Testing usually accessed opportunistically or via provider-initiated services while attending care
- Mean cost of accessing HIV testing was \$2.40 \$3.86 for men & \$1.86 for women
- Reported user costs ~154% of average daily earnings
- Both user and service characteristics were important drivers of these costs % of Total Costs incurred by cost-category





Variables

Sex (Female) Attended Secondary **Completed Seconda** Number of Children **Community HIV test Test Duration (Hour** Reason for facility \ Wealth Constant

Observations

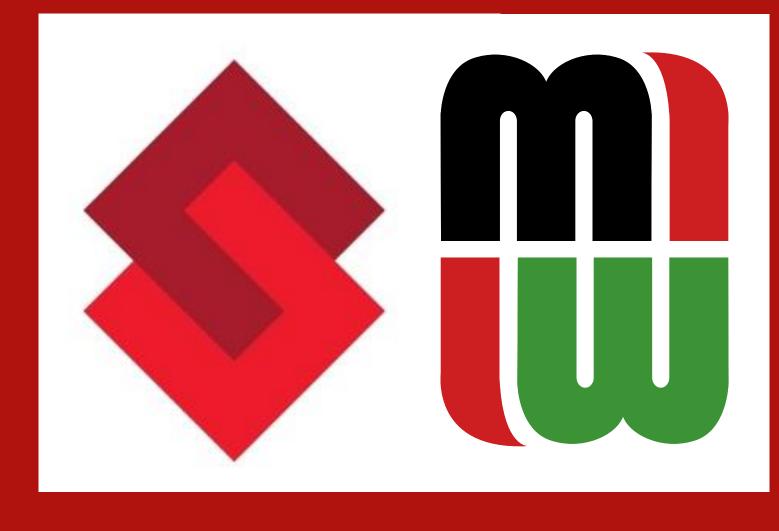
*** p<0.01, ** p<0.05, * p<0.1

Conclusions

- rural Malawi

Key references

- UNAIDS (2014)
- Maheswaran, H. Petrou, S. et al. (2016) • Kemp, J.R. et al. (2007)



Multivariate (Tobit) Model of Cost Drivers

	Tobit Model
	-0.687**
y school	0.976*
ary school	2.494***
)	0.173**
sting service	-2.268***
rs)	0.213***
Visit	0.545**
	0.0864***
	4.572***

746

Opportunity costs of conventional HIV testing are high compared to daily consumption in

• Men report higher user costs relative to women May in part explain their lower coverage of HIV testing and ARV treatment at national level **Opportunity & transportation costs can render** "free" services unaffordable (Kemp 2007) • Reducing indirect economic barriers to testing --- including HIV self testing --- should be a key component of testing strategies targeting men