

Table 2: Search strategy in PubMed

Element	Search items
Voluntary HIV counseling and testing	“Voluntary HIV counseling and testing” OR “HIV testing” OR “HIV testing*” OR “Voluntary HIV testing uptake” OR “Sexual and Reproductive Health Services” OR “Youth Friendly Reproductive Health Services”
Utilization	utilization OR use OR practice OR uptake
Knowledge on HIV	“Knowledge on HIV” OR “HIV knowledge” OR Factors OR Determinants
Population	“University students “OR Students OR student*
Study area	“Sub-Saharan Africa” OR Africa