

ABSTRACT

To assess the factors influencing HIV sero-status of VCCT clients at selected AIDS/STD teams in Yangon Region, a cross sectional study was conducted from September to November 2010. A total of 105 clients were interviewed. Among 105 clients, 24.8% were tested HIV positive of whom males were 24.5% and females were 25%.

One fifth of them had history of STI, and about half had previous HIV testing. Within last 12 months, about one third of clients had history of drinking alcohol, and about 3-15 % of clients had other 6 vulnerable conditions (injecting drug use, sharing needles and syringes, sharing blades, unsafe injection, blood transfusion, tattooing). Around 90% of clients had history of having sex within last 12 months, mostly with their spouses and commercial sex worker, of whom 24.7% reported more than one partner. Approximately 90 % of clients ever had sex with mean age at first sex of 23.3 years and 40.8% had more than one partner in their lifetime. Some male clients (7.8%) reported man to man sex and one fourth of ever married clients had history of premarital sex as well as extramarital sex. Around 60% never used condom. They used condom mostly with CSW (48%) and spouse (42%).

Underlying determinants that significantly varied HIV sero-positivity was marital status especially widowed and separated (Crude OR=5.0 and 95% CI=1.1 -23.8, adjusted OR=6.6 and 95% CI=0.9-48.4). Significant proximate determinants included those who had at least one vulnerable condition except sexual behaviour within last 12 months (Crude OR=2.6 and 95% CI=1.0-6.6, adjusted OR=4.0 and 95% CI=0.9-16.6) especially who shared blades within last 12 months (Crude OR= 4.5, 95% CI=1.3-14.9). The number of lifetime sex partner (Crude OR=2.3 and 95% CI=0.9-5.8) and use of non-disposable needles and syringes within last 12 months (Crude OR=5.0 and 95% CI=0.8-31.9) were marginally significant proximate determinants. After adjusting, the number of lifetime sex partner became statistically significant (adjusted OR=5.1 and 95% CI=1.1-23.8).