S1 Table. Description of Single-Sex Model State variables.

Variable	Description
$egin{array}{c} S_u \ S_a \end{array}$	Susceptible youth who have never tested for HIV/AIDS Susceptible youth who have ever tested for HIV/AIDS
I_u	Infected youth who have never tested for HIV/AIDS
I_a	Infected youth who have ever tested for HIV/AIDS Infected aware youth who are not adherent to ART
T_u	or consistent condom use Infected aware youth who are adherent to ART
T_a	and use condoms consistently