FIGURE 1: STUDY DESIGN DIAGRAM

Participant recruitment
- From 2 purposely-selected health facilities

Eligibility assessment
- Confirmed HIV infection
- Age 21 years and older
- CD4 cell count 400-650 cells/mm³
- Not yet on ART

Exclusion criteria
- Not meeting inclusion criteria
- Intending to be transferred out of the clinic catchment
- Scheduled to start ART
- Moribund, pregnant, unable or not wanting to commit to barrier method of birth control

Target enrollment n=300 (assuming 25% relative risk reduction, 221 patients need to be randomized)

Enrollment

Randomization

Allocation

Placebo

Baseline data collection
- Baseline questionnaire
- Clinical assessment
- CD4 cell count
- HIV viral load

Baseline assessment

Follow-up (6, 12, 18, 24 months)
- Follow-up questionnaire
- Clinical assessment
- CD4 cell count
- HIV viral load

Follow-up assessments

Baseline data collection
- Baseline questionnaire
- Clinical assessment
- CD4 cell count
- HIV viral load

Follow-up (6, 12, 18, 24 months)
- Follow-up questionnaire
- Clinical assessment
- CD4 cell count
- HIV viral load

Selenium 200mcg daily