Intervention Package for KPIS

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Intervention

HIV test counselling when clients arrive at the intervention sites

- **Negative**
  - Exit study

- **Positive**
  - Link to PHN
    - CD4 < 350
      - POC CD4 cell count receive result in 20 min
        - CD4 cell count every 6 months
        - Adherence counselling, 3 sessions
          - clearance > 50 mL/min
            - POC Creatinine test receive result in 20 min
              - ART Initiated by NIMART trained nurse
          - clearance < 50 mL/min
            - Refer to a physician
Decentralized HIV Testing and Counselling

- Increased HIV testing and awareness of serostatus

  - Among HIV-positive MSM screened by the CBO:
    - 25.5% increase on receiving their confirmatory test results (p<0.001)
    - 48.4% increase on linkage to care (p<0.001)

(Yan, et al. 2014)
Point of care testing (POC)

- **Reduce the time to eligibility assessment for ART**
  - Time to being tested was significantly reduced by a median of 9 days
  - Time from CD4 testing to receiving the result was reduced by as much as 17 days

- **Increase retention in care prior to treatment initiation**
  - Have CD4 measured: OR=4.1, 95%CI 3.5-4.9
  - Receive a CD4 result: OR=2.8, 95%CI 1.5-5.6

(Wynberg, et al. 2014)
Point of care testing (POC)

- **POC CD4 testing** (The Alere Pima™ CD4 test):
  - Results will be available within 20 minutes, and will be offered to the client at that time
  - During waiting time, clinical staging and TB screening can be performed.

- **POC creatinine testing**:
  - Results will be available within 20 minutes.
  - During waiting time, pre-ART counselling sessions can be performed.
Peer Health Navigator (PHN)

- **Mixed effect from previous studies**
  - PHN increases HIV knowledge and condom use
  - PHN helps reduce structural barriers
  - PHN generates higher levels of hope for people living with HIV/ALDS (PLWHA) in well-functioning families

Potential Roles of PHN

**Psychological**
- Knowledge about disease and risk factors
- Knowledge about treatment
- Knowledge about their condition
- Knowledge about medical system

**Educational**
- Referral to care
- Maintenance in care
- Monitor health outcome

**Medical**
- Avocation
- Destigmatization

**Social**
- Confidentiality
- Boundaries

**Ethical**

- Role model
- Emotional support
Evaluation of Interventions

- To evaluate the efficacy of intervention package:
  - The proportion of HIV-positive men who enter care
  - The proportion who receive their CD4 results
  - The proportion of treatment eligible men who initiate treatment and who are retained in care
  - The proportion of treatment ineligible HIV-positive men who are retained in care before and after intervention at delayed onset sites

- To evaluate the uptake of individual study interventions:
  - The proportion of men offered and accepting HIV testing, POC CD4 testing, on-site treatment initiation, and peer navigation services.
Reference


