

# Improving access to health services for populations at higher risk for HIV infection in Tanzania

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<b>Registration date</b> 28/08/2019	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 08/11/2019	<b>Condition category</b> Infections and Infestations	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

## Plain English summary of protocol

### Background and study aims

HIV/AIDS has rolled back decades of socio-economic development in Sub Saharan Africa. While there are indications of declining HIV infection rates in the general population, men who have sex with men (MSM), female sex workers (FSW) and people who inject drugs (PWIDS), now called Key Populations (KP) for HIV epidemic have 2-20 times higher infections rates and contributes up to 30% of new HIV infection. Despite such high infection rates, only a third has access to health services due to stigma and discriminations. The overall objective of this study is to increase access to health services among key populations through studying factors which influence the use of health services among them and test the effectiveness of healthcare worker and peer to peer engagement in improving access to comprehensive HIV intervention package among HIV at-risk population in Tanzania.

### Who can participate?

Adults who inject drugs, men who regularly or occasionally engage in sexual relationships with other men, women who exchange sex for goods or money and healthcare workers.

### What does the study involve?

The study involves the promotion of key population friendly facilities through training of healthcare workers on the comprehensive HIV intervention package and developing a cadre of peers to support health access. This will be done in Dar es salaam as an intervention region and Tanga region will be used as a control region.

### What are the possible benefits and risks of participating?

Enrolling in the study will improve access to health services among study participants hence better health.

### Where is the study run from?

The study will take place at the Muhimbili University of health and Allied Sciences Dar es salaam, Tanzania.

When is the study starting and how long is it expected to run for?  
The study is planned to take place from May, 2017 to April, 2021.

Who is funding the study?  
The Danida Fellowship Centre (DFC) through grant No 16-P03-TAN.

Who is the main contact?  
Prof. Elia John Mmbaga (elijajelia@yahoo.co.uk).

## Contact information

**Type(s)**  
Scientific

**Contact name**  
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## Additional identifiers

**Protocol serial number**  
16-P03-TAN

## Study information

**Scientific Title**  
Access to health services for key populations in Tanzania: a quasi-experimental design

**Acronym**  
DANIDA KP

**Study objectives**

1. An interplay between individual, interpersonal, contextual, structural, and sociocultural and health system factors influence health service access among KP.
2. Integration of CHPs in the existing health system is feasible, sustainable and cost-effective.
3. Intervention delivery modalities developed by and for KP sustainably improve access to CHPs

for KP.

4. Building KP research capacity through masters and PhD training will increase the generation of new evidence and intervention evaluation.

### **Ethics approval required**

Old ethics approval format

### **Ethics approval(s)**

Approved 15/03/2016, Muhimbili University of Health and Allied Sciences Ethics Committee (P.O. Box 65001; 022 2152489; drp@muhas.ac.tz), ref: 2016-03/AEC/Vol. IX/197.

### **Primary study design**

Interventional

### **Study design**

Quasi Experimental Design

### **Study type(s)**

Prevention

### **Health condition(s) or problem(s) studied**

HIV infection

### **Interventions**

Healthcare workers Training

Selected health care workers will be trained on the delivery of the comprehensive Intervention package for HIV which will include modules on prevention, HIV and STI testing, HIV treatment with ART, psychosocial counselling and violence mitigation.

Peer-to peer mentoring

Selected members of the key population will be trained and peer mentors on how to navigate their fellows to health facilities, linkage to KP friendly facilities and violence prevention.

Training timing

Training will be done during the second year and booster training is done after 12 months of follow up.

Participants follow up

Participants will be followed up after 12 months and 24 months following the intervention.

### **Intervention Type**

Behavioural

### **Primary outcome(s)**

The proportion of the population at risk accessing HIV services is determined using questionnaire (if one has ever gone to a health facility during the past 12 months when one had STI or general conditions) at baseline, month 12 and 24 following the intervention.

### **Key secondary outcome(s)**

1. Safer sexual behaviors are measured using Questionnaire (condom use at last sexual act, number of sexual partners past 12 months at baseline, months 12 and 24 following the

intervention.

2. Number of PhD trained is measured using project records on the number of project affiliated PhD graduates at the end of the project (months 60).

3. Integration of high-risk group services into the existing health system is measured using health facility records of the number of health care workers and the number of the key population seeking services in the 4 selected health facilities involved in the project at baseline, month 12 and month 24.

### **Completion date**

30/04/2021

## **Eligibility**

### **Key inclusion criteria**

1. Aged 18 or above and injects drugs.
2. Men who regularly or occasionally engage in sexual relationships with other men aged 18 and above.
3. Women who exchange sex for goods or money.
4. Health care workers aged 18 or above.

### **Participant type(s)**

Other

### **Healthy volunteers allowed**

No

### **Age group**

Adult

### **Lower age limit**

18 Years

### **Sex**

All

### **Key exclusion criteria**

1. Refuse to provide informed consent.
2. Not a resident of a participating region.
  - 2.1. Do not have an address and have not lived there for the past six months.
3. Have mental illness or are too sick to participate.

### **Date of first enrolment**

01/11/2017

### **Date of final enrolment**

31/03/2021

## **Locations**

### **Countries of recruitment**

Tanzania

**Study participating centre**  
**Muhimbili University of Health and Allied Sciences**  
P.o.Box 65016  
9 United Nation Road  
Dar es Salaam  
Tanzania  
+255

## Sponsor information

**Organisation**  
Danida Fellowship Centre DFC

**ROR**  
<https://ror.org/05qvpbw57>

## Funder(s)

**Funder type**  
Research council

**Funder Name**  
Danida Fellowship Centre

**Alternative Name(s)**  
DFC

**Funding Body Type**  
Private sector organisation

**Funding Body Subtype**  
Other non-profit organizations

**Location**  
Denmark

## Results and Publications

## Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed during the current study are/will be available upon request from Prof. Elia John Mmbaga (elijelia@yahoo.co.uk). Quantitative and qualitative data anonymized and will be available after publications or end of project on reasonable request.

## IPD sharing plan summary

Available on request

## Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Protocol article</a>	protocol	06/11/2019	08/11/2019	Yes	No