

## Plan Overview

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*A Data Management Plan created using DMPTool*

**Title:** Longitudinal hypertension cascade progression and regression between people living with HIV (PLHIV) and those without HIV (PNLHIV)

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**Funder:** Digital Curation Centre (dcc.ac.uk)

**Funding opportunity number:** 0

**Grant:** 0

**Template:** Digital Curation Centre

### **Project abstract:**

We intend to conduct a longitudinal assessment of the hypertension care continuum among people living with HIV (PLHIV) and those without HIV (PNLHIV) in a South African metropolitan population with reported adult hypertension prevalence rates ranging from 19 to 35%. For this study population, we will describe how patients progress through each stage of the treatment continuum over nine months. By comparing both PLHIV and PNLHIV, we will look at both the progression through the care continuum and the likelihood of regressing from more to less advanced continuum phases. We will also look into whether and how the transitions vary between both groups by age, sex, alcohol, and substance use.

**Start date:** 05-31-2023

**End date:** 06-30-2024

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**Copyright information:**

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# **Longitudinal hypertension cascade progression and regression between people living with HIV (PLHIV) and those without HIV (PNLHIV)**

## **Data Collection**

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### **What data will you collect or create?**

We will collect information on BP measurements, hypertension diagnosis, and treatment history at both baseline and subsequent visits. Information on sex, age, HIV status, pregnancy status (women), nationality, alcohol and substance use, HTN diagnosis, HTN diagnosis date, on HTN medication, HTN medication start date, name of HTN medication or regimen, HTN medication dosages, lifestyle modification education or counselling, referral for lifestyle modification services or support, comorbidity information, and for PLHIV we will also collect CD4 cell count, viral load information, and duration on ART. The independent variables abstracted were age, gender, HIV status, alcohol and substance use, blood pressure diagnosis date, blood pressure diagnosis start date, blood pressure medication and dosages, for PLWHIV we will also collect CD4 and Viral load(VL) .

### **How will the data be collected or created?**

We are using REDCap to collect data

## **Documentation and Metadata**

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### **What documentation and metadata will accompany the data?**

The iHEART-SA dataset will be utilized for data extraction We will include all available data recorded in the web-based iHEART-SA REDCap dataset during the study period to maximize the comparability and depth of the data obtained

## **Ethics and Legal Compliance**

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### **How will you manage any ethical issues?**

This will be a sub-study of the iHEART-SA study which has received approvals from the Human Research Ethics Committee (Medical) of the University of Witwatersrand (M211160).

### **How will you manage copyright and Intellectual Property Rights (IP/IPR) issues?**

The dataset that will be used in this proposed research will be sourced from a iHEART-SA database.

## **Storage and Backup**

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**How will the data be stored and backed up during the research?**

Data is stored in the web-based iHEART-SA REDCap.

**How will you manage access and security?**

I would grant access to only people who should access to the database.

## **Selection and Preservation**

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**Which data are of long-term value and should be retained, shared, and/or preserved?**

Our research data is preserved on REDCap.

**What is the long-term preservation plan for the dataset?**

The datasets are accessible on REDCap

## **Data Sharing**

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**How will you share the data?**

Data is shared by email or link.

**Are any restrictions on data sharing required?**

Those who have access to data i would give them rights of what they can do to avoid tampering with data.

## **Responsibilities and Resources**

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**Who will be responsible for data management?**

Data team.

**What resources will you require to deliver your plan?**

I would need a computer, internet and stationary.

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