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4/18/2021

**2.1 Research Methodology**

**Program description**

Warm Hearts Treatment Centre is committed to making Richmond city a drug abuse free zone through the implementation of programs and interventions created by this proposal. The program aims to eradicate among other things, substance abuse, complications arising from substance abuse and lowering the number of individuals living on the streets of Richmond city.

**Research Design**

The main research design technique which will be used is the data collection method. It will involve collecting data, for example, the number of people affected by drug abuse and are currently in the court system, individuals, recuperating from drug related abuse in the city and the number of drug abuse victims in estates known to be significantly affected by drug abuse.

**Sample**

The research will be conducted using a sample size of 100 people. This sample is effective and reliable as it is representative of a valid population (Sandelowski, 1995).

**Study validity and reliability**

Regarding aspects of validity and reliability, the data collection design will be expected to produce accurate and consistent results. Specifically, the results will affirm the need to obtain the proposed grant.

**Assumptions**

1. It is assumed that the interventions created by the grant will facilitate achievement of the objectives.
2. It is assumed that the drug abuse victims will enroll into the program without any difficulties.

**Limitations**

1. The victims might lack confidence in the program and fail to join. This will impact the achievement of some of the objectives.
2. Limited access to primary data from the hospital, police department and or other humanitarian organizations.

**Timeline**

The research will be conducted over a period of 90 days

**Analysis**

Both qualitative and quantitative data collected will be analyzed for purposes of finding the right interventions that align with the objectives. The major analysis techniques that will be employed include content analysis, narrative analysis, discourse analysis and grounded theory. The data analysis will be done in three stages namely; data validation, data editing, and data coding. During the data analysis process, items such as the central measures of tendency, variances and percentiles will be conducted. The aim is to obtain reliable and valid results to inspire the validity of the grant proposal.

**Non personnel resources**

Computers, copiers, test chemicals and stationery materials.

**Facilities, supplies, technology.**

The research will require facilities such as vehicles to facilitate movement, anytime into the project. It will also employ use up to date technology to help deliver, and monitor study participants.

**Personnel resources**

The research will feature 10 researchers who will facilitate all the activities. It will also include analysts who will make a better meaning to the results. The ten individuals will be assigned various roles during the research. They will be divided into equal groups each with a team leader. The leadership might also seek the services of an established research firm to conduct the entire process.

**Management workplan**

This will include all the relevant activities leading up to the realization of the objectives of the activity. The work plan will be aligned to the SMART criteria; Specific, Measurable, Achievable, Relevant and Time-related. Selected project leaders will be responsible for organizing the teams, administering research items, and facilitating transport of necessary materials.

**Activity Timeline**

All the quarters of project will take 90 days. Each quarter will be segregated into three periods each for one month: each month will have various research activities. The first phase of the project will run for a year which will consist of 4 periods.

**Project management**

Warm Hearts Treatment Centre will be fully in charge of the management aspect of the project.

**2.2 Evaluation**

**How the success will be measured**

1. Schedule; the project will be deemed successful as long as every activity takes place within the schedule.
2. Quality; a quality review will be conducted after the end of every month.
3. Cost; a comparison between actual and budgeted costs

**Data to be collected**

The research will involve the collection of both quantitative and qualitative data. For example, the number of individuals affected by drug abuse and are living in the streets of Richmond city.

**Review of grant proposal**

The grant proposal will be reviewed by the Richmond Public Health Service Board prior to its approval.

**Data collection plan**

Data will be collected through various methods such as interviews, surveys, and real time data from previous statistics. The data collection will use the same methods throughout the project life.

**Evaluation Instruments** (Svensson, 2001).

Quantitative tools;

1. How many people signed up for the treatment program?
2. What number were successfully treated?
3. What percentage % did crime reduce in Richmond city?

Qualitative tools; Surveys, Observations, Case studies, focus groups and interviews.

These instruments are key to assessing the performance and success of the project. They allow the project management to make adjustments aimed at arriving at the final goal of making Richmond city a drug abuse free zone.

**Periodic reports**

Reports will be updated quarterly and sent to the funders. Reports summarize the performance and also highlight the challenges experienced during the research and implementation stage. It will influence how they will likely fund the next phases of the project.

References

Sandelowski, M. (1995). Sample size in qualitative research. *Research in nursing & health*, *18*(2), 179-183.

Svensson, E. (2001). Guidelines to statistical evaluation of data from rating scales and questionnaires. *Journal of Rehabilitation Medicine*, *33*(1), 47-48.