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Personal features and well-being as predictors of meaning in life among people living with HIV/AIDS (PLWHAs) in Nigeria

Arinola O. Deko, Rachel B. Asagba, Samson Femi Agberotimi, Cynthia Wimberly

ABSTRACT

Aims: The study examined self-esteem, life satisfaction and hopelessness as predictors of meaning in life among people living with HIV/ AIDS. Methods: Two hundred patients; 126 females and 74 males, aged between 17 and 70 years were used for the study. Their mean age was 38.9 years with a standard deviation of 10.2 years. Results: The findings revealed that self-esteem, life satisfaction and hopelessness significantly predicted meaning in life and they are important constructs in assessing meaning in the lives of PLWHAs. Conclusion: Therefore, it was recommended that meaning centered therapy programs should be put in place by health care givers and other stakeholders dealing with PLWHAs to increase patient's meaning in life

Keywords: Life satisfaction, Hopelessness, Meaning in life, Self-esteem

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INTRODUCTION

Meaning is a well-being construct that makes man different from animals. Man has the ability, the freedom of will to seek for meaning either through experiencing, attitude towards unavoidable suffering in life or creativity. Frankl as cited by Asagba [1] posited that every man facing challenges has the ability to choose and seek for meaning, but some get stuck with challenges and are unable to find it. Finding meaning results in the ability to cope and endure in a difficult time irrespective of the circumstances an individual finds him or herself. Frankl [2] posited that finding meaning helps to guide a patient by providing options to stay out of an existential vacuum and that meaning differs from one person to another person. Empirical studies have confirmed this view Battista and Almond [3], for instance, revealed that lack of meaning is associated with the need for therapy, while Bonebright, Clay, and Ankenmann [4] averred that finding meaning is positively associated with work enjoyment. This indicates that some individuals are seeking for meaning and others have found meaning in life, which has been confirmed using the meaning in life questionnaire developed by Steger, Fraizer, Oishi, et al., [5]. Previous studies have established a relationship between meaning, human life stages and age. The assertion of Steger, Oishi and Kashdan [6] was that meaning differs across the four major stages of life, such as the emerging adulthood, young adulthood, middle-age adulthood and older adulthood. Likewise, Asagba and Ajayi [7] and Asagba [8] revealed that meaning differs across age and educational qualification, while Lambert, Stillman, Hicks, et al., [9]

reported that sex and age has no significant influence on the presence of meaning. Similarly, Steger, Fraizer, Oishi, et al., [5] found that meaning does not differ across gender, race or religion. In justifying the findings from the study carried out by Nelson, Rosenfeld, Breitbart, and Galietta; Breitbart, Gibson, Poppito, et al., [10] reported that religion contributes to the ability to cope with HIV.

Just as Kubler-Ross analyzed the five stages of grief as responses to sufferings, Mlobeli [11] established that people living with HIV /AIDS initially respond to the awareness of HIV diagnosis by expressing a range of responses such as shock, denial, negotiation of death, depression, anger, aggression, negotiation, depression, acceptance and reconciliation with death. In addition to this, Remien and Rabkin [12] found that the knowledge and awareness of an individual's HIV status can be detrimental to health and strengthen unhealthy behaviors among patients. These responses appear to result in experiencing low self-esteem, being hopeless and nonsatisfaction with life, which can lead into not seeking meaning in life among patients.

One of the important variables in this study is selfesteem, which is a contributing arm to well-being and has been reported in empirical studies to be reduced among individuals suffering from illnesses or people experiencing a major life trauma. Castrighini, Gir, Neves, et al., [13] argued that low self-esteem is one of the consequences of HIV/AIDS. Likewise, Fabianova [14] confirmed that PLWHAs often lose rapidly their self-esteem as a result of rejection from their loved ones, while Fleming and Courtney [15] added that, the knowledge of PLWHAs' HIV status makes them fall into a state of depression, dislike themselves and the world around them. Consequently, Damon, Menon and Bronk [16] discovered a positive relationship between meaning and high self-esteem, while, Steger, Fraizer, Oishi, et al., [5] discovered that less depressed individuals experience high self-esteem. More importantly, Harms, Kizza, Sebunnya, et al., [17] fingered self-esteem as being an important construct to be put into consideration to enhance the quick recovery of sick patients accessing mental health and Ben-Ari [18] supported that individuals with high self-esteem view their lives as more meaningful. Also, Ben-Ari, Shlomo and Findler [19] discovered that self-esteem contributes to the differences in meaning, while, Baumeister, Campbell, Krueger, et. al, [20] argued that self-esteem is significantly related to being happy. More studies have established a significant correlation between meaning and self-esteem [21].

As empirical studies on meaning is increasing, studies have reported a significant relationship between life meaning and the well-being construct of life satisfaction, for example, Steger, Fraizer, Oishi, et al., [5] and Nolte [22] posited that the individuals who seem to be satisfied with their lives are also found to express presence of meaning in life. Similarly, findings have also established a direct relationship between satisfaction with life and meaning in life [23–30].

Hopelessness is another variable examined in this study; Breitbart, Gibson, Poppito, et al., [10] posited that meaning can predict hopelessness among terminally ill cancer patients and plays an important role in reducing hopelessness. Steger, Fraizer, Oishi, et al., [5] reported that individuals with high meaning in life report greater hope, specifically among people living with HIV/AIDS. Mlobeli [11] argued that internalized trauma resulting from HIV stigma experienced by PLWHAs contributes to hopelessness, also, Ramovha, Khoza, Lebese, et al., [31] averred that the awareness of seropositive status of HIV patients evokes the feelings of hopelessness in them, while Grygielski, Januszewska, Januszewska, et al., [32] found a relationship between meaning and hopelessness. Likewise, Ryff [33] proposed that individuals searching for meaning do not plan for the future, while Edward and Holden [34] revealed that individuals with higher meaning in life are not hopeless. Further review of studies on meaning in life and hopelessness revealed that Kamarzarrin [35] justified that "meaning in life could assist patients to overcome their depression, anxiety and hopelessness and become responsible and accountable of their lives and existence through relying on freedom in the power of choice" (pp 85).

From these views, this study examined personal features which include marital status, occupation, and level of education, self-esteem, life satisfaction and hopelessness as predictors of meaningfulness among the people living with HIV/AIDS.

METHOD

Participants

The study was conducted among the PLWHAs receiving ART at the State Specialist Hospital Akure, Ondo State, Nigeria. It is a health facility where people within the state who seek medical treatment assess medical personnel for health benefit. A purposive sampling method was adopted for the study, two hundred participants 126 (63%) females and 74 (37%), with the mean of 38.9 and standard deviation of 10.2 volunteered to participate in the study. Their ages ranged between 17 to 70 years.

Measures

Questionnaire format was used for data collection consisting of four sections. Section A carries the demographic variables of the respondents such as sex, age, ethnicity, occupation, religion, marital status, family background, duration of diagnosis and educational qualification.

Section B comprises the 10 items of Rosenberg Selfesteem scale which measures an individual's feelings of self-worth when individual compares himself or herself to other people. This study found a reliability of 0.65 for the scale. Section C comprises five items of Satisfaction with life scale developed by Diener et al., (1985) which assesses satisfaction with people's life as a whole. The reliability coefficient established in this study is 0.62

Section D is made up of Beck's Hopelessness scale. The 20-item scale assesses an individual's feeling about the future, loss of motivation and expectations. Reliability coefficient of 0.78 was found in the present study.

Section E comprises a 10 item measure of meaning in life questionnaire (Steger, et al., 2006) assessing the presence of meaning and the search for meaning. Cronbach's alpha 0.88 established the scale's reliability in this study.

The descriptive statistics of the variables are presented in Table 1.

Procedure

This study got an approval from the research committee of the Department of psychology, University of Ibadan and the ethical research committee of the State Specialist Hospital Akure, Ondo State, Nigeria. Each participants inclusion in the study were based on willingness to participate and the criteria that patients must be above 17 years of age, bed patients and patients just starting adherence treatment were excluded from the study for health reasons. Patients were also assured of confidentiality.

Statistical Analysis

The hypothesis formulated for the study were subjected to the SPSS 20 and analyzed using the multiple regression analysis.

RESULTS

Table 2 shows that 63% of the respondents are female. 10% of the respondents are Ibo, 79.5% are Yoruba, and 5.5% are Hausa, while the remaining 5% came from various other ethnic groups. The table also shows that 67% of the respondents were Christians, 31% are Muslims, and the remaining 2%% practiced traditional religion. Family background data shows that 83.5% of the participants are from monogamous family, the rest 19.5% are of polygamous family background. 60.5% of the participants are married, the remaining 9.5% are unmarried. More than half (61%) of the respondents have been diagnosed of HIV/AIDS between 1 year and 5 years, 32% were diagnosed in less than a year, while 7% have received diagnosis for over 5 years. The occupation profile of the participants reveals that 49% are unskilled e.g., housewives, petty traders, 12% are partly skilled manual e.g., drivers, farmers, 8.5% are skilled-non manual e.g., typist, artisans, 28.5% are intermediate e.g., senior civil servants, teacher, and only 2% are professionals e.g., medical doctors. Finally, it is shown from the table that 31% of the participants are primary school certificate

holder, 28.5% only completed secondary school, and 40.5% finished tertiary education.

Hypothesis one

Hypothesis one stated that age, sex, occupation, religion, marital status, family background, duration of diagnosis and educational qualification will predict meaning in life. The hypothesis was tested using the multiple regression analysis, and the obtained result is presented in Table 3. It was found from the result that occupation ($\beta = -0.14$, p < 0.05), marital status ($\beta = 0.25$, p < 00.01), family background ($\beta = 0.12$, p < 0.05), and educational qualification ($\beta = -0.16$, p < 0.05) significantly predicted participant's meaning in life. The result further showed that the demographic factors jointly contributed to about 17% of the variation observed in the meaning in life of the participants.

Hypothesis two

The second hypothesis stated that self-esteem, life satisfaction and hopelessness will significantly predict meaning in life among the PLWHAs. The result is presented on Table 4. It shows from the result that self-esteem ($\beta = 0.25$, p < 0.01) and hopelessness ($\beta = 0.23$, p < 0.01) significantly predicted meaning in life among the PLWHAs. The result also showed that the well-being factors accounted for about 15% of the observed change in meaning in life. However, life satisfaction did not contribute significantly to the participants' life meaning ($\beta = 0.11$, p > 0.05) in the present study.

DISCUSSION

This study examined personal features, self-esteem, life satisfaction and hopelessness as predictors of meaning in life among people living with HIV/AIDS.

First, our finding on predictive influence of demographic variables on meaning in life of people living with HIV/AIDS revealed that marital status, occupation, family background and educational qualification contributed significantly to meaning in life. This indicates that the way these people evaluate their lives to be meaningful and the kind of significance they attribute to life is determined by their personal attributes such as marital status, family background, level of education, and occupation. For instance, the amount of knowledge and perception they hold about their illness and how to manage its symptoms will be largely determined by level of education and occupation. Another possible explanation for our finding is that the amount and quality of social support that may be available to these people will also be accounted for by their marital status and family background. Our finding is in line with assertions of previous researchers. For instance, Asagba and Ajayi [7] and Asagba [8] observed that meaning in life differs across age and educational qualification but

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Table 2: (Continued)

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Table 1: Descriptive statistics

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| | Mean | Standard deviation |
|-------------------|-------|--------------------|
| Age | 38.9 | 10.2 |
| Self-esteem | 28.1 | 15.7 |
| Life satisfaction | 17.6 | 15.5 |
| Hopelessness | 130.0 | 12.1 |
| Meaning in life | 48.9 | 21.7 |

Table 2: Socio-demographic characteristics of the studyparticipants

| Variable | Ν | % |
|--------------|-----|-------|
| Gender | | |
| Male | 74 | 37 |
| Female | 126 | 63 |
| Ethnicity | | |
| Igbo | 20 | 100.0 |
| Yoruba | 159 | 79.5 |
| Hausa | 11 | 5.5 |
| Other | 10 | 50.0 |
| Religion | | |
| Christianity | 134 | 670.0 |
| Islam | 62 | 310.0 |
| | | |

| · · · · · · | | |
|-------------------------|-----|------|
| Traditional | 4 | 20.0 |
| Family background | | |
| Monogamous | 167 | 83.5 |
| Polygamous | 33 | 19.5 |
| Marital status | | |
| Married | 121 | 60.5 |
| Unmarried | 79 | 9.5 |
| Duration of diagnosis | | |
| < 1year | 64 | 32 |
| 1year – 5 years | 122 | 61 |
| > 5 years | 14 | 7 |
| Occupation | | |
| Unskilled | 98 | 49 |
| Partly skilled manual | 24 | 12 |
| Skilled – non manual | 17 | 8.5 |
| Intermediate | 57 | 28.5 |
| Professional | 4 | 2 |
| Education qualification | | |
| Primary school | 62 | 31 |
| Secondary school | 57 | 28.5 |
| Tertiary | 81 | 40.5 |
| | | |

Table 3: Summary of multiple regression analysis showing the prediction of sex, age, occupation, religion, marital status, family background, duration of diagnosis and educational qualification on meaning in life

| | β | t | sig | R | R2 | F | Sig |
|---------------------------|--------|--------|------|------|------|------|--------|
| Sex | - 0.12 | -1.57 | 0.12 | 0.42 | 0.17 | 4.96 | 0.00** |
| Age | 0.12 | 1.64 | 0.10 | | | | |
| Occupation | - 0.14 | -2.10 | 0.04 | | | | |
| Religion | 0.04 | .49 | 0.62 | | | | |
| Marital status | 0.25 | -3.53 | 0.00 | | | | |
| Family background | 0.16 | 2.27 | 0.02 | | | | |
| Duration of diagnosis | -0.07 | - 0.90 | 0.37 | | | | |
| Educational qualification | - 0.16 | -2.12 | 0.04 | | | | |

Table 4: Summary of multiple regression analysis showing the prediction of self-esteem, life satisfaction and hopelessness on meaning in life among PLWHAs

| | β | t | sig | R | R2 | F | Sig |
|-------------------|------|------|------|------|-----------|-------|--------|
| Self-esteem | 0.25 | 3.70 | 0.00 | 0.38 | 0.15 | 11.09 | 0.00** |
| Life satisfaction | 0.11 | 1.51 | 0.13 | | | | |
| Hopelessness | 0.23 | 3.25 | 0.00 | | | | |

does not differ across gender. In the same vein, Steger, et al., [6] found that meaning differs across the four stages of life, such as the emerging adulthood, young adulthood, middle-age adulthood and older adulthood. Previous findings have also shown that gender and age are not likely to predict meaning in life (Steger, et al., [5], Schlegel, et al., [21]), which also affirms our finding in the present study that gender and age did not significantly contribute to life meaning.

Second, we found that meaning in life is significantly predicted by self-esteem and hopelessness. This implies that the way people living with HIV/AIDS judge and values themselves, and how they perceive the future in terms of hope will determine their meaning in life. Our present finding is consistent with previous studies which have shown that self-esteem correlates with, and predicts meaning in life (e.g. Steger, et al., [5], Schlegel, et al., [21], Damon, et al., [16]). Similarly, Ben-Ari [18] asserted that individuals with high self-esteem view their lives as more meaningful, while Ben-Ari, et al., [19] also posited that self-esteem contributes to the differences in meaning.

Our finding also showed that hopelessness is a key contributor to meaning in life among people living with HIV/AIDS. This is supported by Grygielski, et al., [32], who discovered an inverse relationship between meaning and hopelessness. Similarly, Ryff [33] indicated that people searching for meaning are less likely to plan for and anticipate their future.

Finally, results of the present study showed that life satisfaction did not contribute significantly to meaning in life among the people living with HIV/AIDS. This finding is surprising and not as expected considering many studies which have shown strong relationship between the two constructs [5, 27, 29, 30]. A possible explanation to this finding is that respondents may have found the seven (7) response options to items of the satisfaction in life scale too long and stick to a pattern of responding which may have affected the result. Cultural interpretation of the items of the scale may also have biased the responses which could also have altered the scale from truly depicting the respondents' life satisfaction.

CONCLUSION

In conclusion, the study revealed certain personal attributes such as marital status and level of education, as well as self-esteem and hopelessness as significant predictors of life meaning among the people living with HIV/AIDS (PLWHAs). This indicates that these constructs are related to finding meaning and can be important in improving the well-being of PLWHAs. They can also be important constructs to be utilized in predicting meaning of life among PLWHAs. More efforts to improve the well-being of patients should be put in place in order to alleviate the sufferings of PLWHAs. We recommend that meaning centered therapy be included in intervention programs to assist people living with HIV/

AIDS to achieve possible optimum well-being. We also recommend further studies to explore the relationship between the two constructs of life satisfaction and meaning among such vulnerable and special population like we studied.

Author Contributions

Arinola O. Deko – Conception and design, Acquisition of data, Analysis and interpretation of data, Drafting the article, Final approval of the version to be published

Rachel B. Asagba – Conception and design, Critical revision of the article, Final approval of the version to be published

Samson Femi Agberotimi – Conception and design, Interpretation of data, Critical revision of the article, Final approval of the version to be published

Cynthia Wimberly – Conception and design, Critical revision of the article, Final approval of the version to be published

Guarantor

The corresponding author is the guarantor of submission.

Conflict of Interest

Authors declare no conflict of interest.

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