

Psychosocial Correlates of Depression among Apprentice Artisans in Nigeria

ABSTRACT

Depression is a leading cause of disability among the working population. This study assesses self-esteem and depression as psychosocial correlates of depression among Nigerian apprentice artisans. The research method adopted for this quantitative research was a cross-sectional design. A total number of five-hundred and seventeen (N=517) male automobile apprentice artisans were selected using a multistage sampling which included a purposive sampling procedure to select the local Government Area for the study, and simple balloting was adopted to select the six LGAs out of the thirty under the three senatorial districts in Osun state, Nigeria. The instruments adopted for this study are Rosenberg Self Esteem Scale (RSES), Burnout Questionnaire (BQ) and depression scale for apprentice (Apprentice Depression Scale). The hypotheses were formulated using a correlation matrix and hierarchical multiple regression. The hypothesis were tested to find out the significant influence of burnout and self-esteem on depression among apprentice artisans in Osun state. The study established that burnout and self-esteem significantly predict depression among apprentice artisans in Ede, Osun State, Nigeria.

Keywords: Psychosocial, Correlates, Depression, Apprenticeship, Artisans, Nigeria

INTRODUCTION

Psychological disturbances impact awareness, feelings, motivation, thoughts, attitudes, and other cognitive and affective qualities that influence their behaviour. Depression across the globe is one of the most common psychological disturbances, affecting about 300 million individuals each year (World Health Organization, 2017). Depression has been linked to low quality of life (Cho et al., 2019; Shumye et al., 2019; Li et al., 2018; Juárez-Rojop et al., 2018; An, et al., 2018) and has been identified as a risk factor for several chronic health disorders (Cleveland Clinic, 2022; Ma et al., 2021; Li et al., 2018; Juárez-Rojop et al., 2018; Zhang et al., 2018; Ingle et al., 2017; Read et al., 2017).

Depression is characterised by a depressed mood and reluctance to participate in previously pleasurable activities. Also, depression is generally associated with low self-esteem (Nguyen et al., 2019; Choo et al., 2017; Millings et al., 2012), a tendency to be self-critical (Zhang et al., 2019; Straccamore et al., 2019; Manfredi et al., 2016; Dunkley et al., 2009), a perceived poor body image (Czepczor-Bernat et al., 2022; Barnes et al., 2020; Soares Filho et al., 2020), helplessness when dealing with adversity, and interpersonal issues (Nalipay & Ku, 2019; Horwitz et al., 2017). According to a study conducted by the Blackdog Institute in 2012, certain personality types are more prone to depressive moods than others, including the anxious worrying personality, irritable, self-critical, and rejection sensitive personality style, self-focused, perfectionist, socially avoidant, and personally reserved personality styles.

Psychosocial hazards and work-related stress are two of the most challenging aspects of workplace safety and health (EU-OSHA, 2021). Individuals, corporations, and national

economies all suffer as a result of these hazards. According to EU-OSHA (2021), almost half of European workers believe workplace stress to be expected, with stress accounting for around half of all lost working days. Like many other mental health issues, stress is often misunderstood or stigmatised. However, when viewed as an organisational issue rather than an individual fault, psychosocial risks and anxiety can be just as manageable as other workplace safety and health risks (EU-OSHA, 2021).

In recent years, burnout syndrome has been one of the most widely discussed mental health problems in modern societies. Burnout is defined as a state of physical, emotional and mental exhaustion that results from long-term involvement in work situations that are emotionally demanding (Smith et al., 2021; Maslach, & Leiter, 2016; Schaufeli and Greenglass, 2001). The World Health Organisation (2019) described burnout as the result of chronic stress (at the workplace), which has not been successfully dealt with, characterised by feelings of exhaustion, negativism and reduced efficacy on the job. Burnout has become a synonym for psychosomatic, psychological symptoms and social consequences of a long-lasting workload exceeding an individual's capacity (Korczak et al., 2012; Hillert, 2008; Freudenberger, 1974). Some studies report burnout prevalence rates of up between 6% - 32% among General Practitioners across 29 countries (Karuna et al., 2021), 0- 80.5% among physicians (Rotenstein et al., 2018), 87% among nurses in Sub-Saharan Africa (Owuor et al., 2020), 76.9% among surgical specialists in Kuwait (Akl et al., 2022), 44.6% in U.S. vascular surgery trainees (Chia et al., 2022) and 7.3% in first year students (March-Amengua et al., 2022), .

Self-esteem is a complex personal psychological characteristic relating to an individual's self-judgment and acceptance (Hagen et al., 2020; Ouyang et al., 2019; Patel et al., 2018; Shi, 2017; Alesi et al., 2012). Self-esteem implies that an individual has an awareness of personal values and self-worth (Willis, 2019). A high self-esteem indicates a high level of social adjustment (Vanbuskirk, 2019; Afolabi, 2014; Hosogi et al., 2012). Individuals with high self-esteem and those with low self-esteem may respond similarly to positive input, but they could exhibit different responses to negative input. Specifically, people with low self-esteem tend to exhibit negative responses, while those with high self-esteem tend to be less affected, as they are inclined to reject or restrict the scope of negative feedback (Vanbuskirk, 2019). Nevertheless, gaps in this link exist in Nigerian studies, which necessitates this research project. The objective of the study is to examine the psychosocial correlates of depression among apprentice artisans in Ede, Osun State.

The following hypothesis were tested:

- i. There is a significant relationship between self-esteem and depression among apprentice artisans in Osun state
- ii. There is a significant relationship between burnout and depression among apprentice artisans in Osun State

METHOD

The research method adopted for this quantitative research was a cross-sectional design. A total number of five-hundred and seventeen (517) male automobile apprentice artisans were selected using a multistage sampling which included a purposive sampling procedure to select the local

Government Area for the study, and simple balloting was adopted to select the six LGAs out of the thirty under the three senatorial districts in Osun state, Nigeria.

The instruments adopted for this study are Rosenberg Self Esteem Scale (RSES) by Rosenberg (1965), Burnout Questionnaire (BQ) by Freudenberger (1981), **Apprentice Depression Scale (APS)** by Onisile et al. (2022) (The APS has acceptable internal consistency yielding a Cronbach Alpha of 0.88 and its validity .68 when paired with Center for Epidemologic Studies Depression Scale and General Health Questionnaire-12). The hypotheses were formulated using a simple regression analysis to ascertain the predictive influence of self-esteem and burnout on depression on the sample.

Result

Socio-demographic Characteristics

The participants' social demographic characteristics reveal that 38.1% of the sample were adolescents categorised within the range of 10 to 19 years, while 61.9% were young adults categorised within the range of 20 to 40 years. The religious distribution revealed that 48.7% of the samples were Christians, a similar percentage (48.4%) were Muslims, while just 2.9% were **African traditional religion practioners**. The participants' marital status distribution indicated that 82.8% were single, 17% were married, and 0.2% were separated. The highest educational qualification of the participants was such that 30.8% had just primary school education, 59.4% attained SSCE level, 8.7% had a first degree, while 1.2% had other forms of educational qualification outside the identified ones.

It was also observed that 29% of the sampled participants represented Ede Local Government Area (LGA), 19.7% represented Ife-North, 19.3% were from Ilesha, 13.9% were from Iwo, 2.7% were from Ogbagba, while 15.3% were from Oshogbo. Findings on type of family showed that 63.2% of the participants came from monogamous families, while 36.8% came from polygamous families. Test on participating apprentice artisan's guardian showed that 14.7% did not live with anybody, 55.2% lived with both parents, 6.8% lived with father alone, 10.3% lived with mother alone, while 13% their relatives. Distributions on parents' income showed that 35.4% were low-income earners, 62.5% were average, and just a few (2.1%) were parents with high income. Lastly observed was the family size of the participants. It was indicated that 46% of them had a family size ranging between 1 and 5 persons, 47.8% had family size ranging between 6 and 10, while the least were those with a family size above 10 (6.2%).

Table 1 : Correlation Matrix Showing Association among Study Variables

Variables	1	2	3	4	5	6	7	8	9	10
1. Age	1									
2. Religion	-.06	1								
3. Educational Qualification	.19**	.01	1							
4. Marital Status	.45**	.00	.07	1						
5. Family Size	.03	.12**	-.08	.02	1					
6. Family Type	.00	.20**	-.02	-.02	.40**	1				
7. Parents' income	-.02	.08	.10*	.01	.19**	.08	1			
8. Self-Esteem	.12**	.05	.08	.07	.10*	-.06	.06	1		
9. Burnout	-.11*	.03	-.02	-.05	.19**	-.01	.10*	-.40**	1	
10. Depression	-.20**	.04	-.02	-.06	.14**	.01	.10*	-.49**	.69**	1
Mean	21.04	-	-	-	5.99	-	-	67.15	45.74	34.58
SD	4.77	-	-	-	2.64	-	-	9.70	15.15	14.54

Note: ** $p < .01$, * $p < .05$, $N = 517$

The correlation analysis indicated that self-esteem had a significant negative relationship with depression [$r(515) = -.49$, $p < .01$]. This implied that when apprentice artisan's self-esteem is high, they tend to experience a low level of depression. On the contrary, burnout had a significant positive relationship with depression [$r(515) = .69$, $p < .01$], and it implied that when apprentice artisan's level of burnout increases, there also tend to be an increase in depression. The relationship between self-esteem and burnout was significant [$r(515) = -.40$, $p < .01$] in such a way that burnout increases along with a decrease in self-esteem. Among the considered social-demographic factors, age was significantly related to depression among apprentice artisans [$r(515) = -.20$, $p < .01$] such that apprentice depression level decreases with increasing age. It was also indicated that family size was significantly related with depression [$r(515) = .14$, $p < .01$]. This implies an increase in depression along with an increase in family size. Also significant was the relationship between parents' income and depression, such that depression tends to increase with higher parental income [$r(515) = .10$, $p < .05$].

Test of hypotheses

Table 2: Simple Linear Regression Analysis of Depression by Self-Esteem

<i>Model</i>	<i>Sum of Squares</i>	<i>Df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig</i>
Regression	25918.813	1	25918.813	160.603	.000
Residual	83112.943	515	161.384		
Total	109031.756	516			

<i>Model</i>	<i>B</i>	<i>SE.B</i>	<i>Beta</i>	<i>t</i>	<i>p</i>
(Constant)	83.664	3.913		21.381	.000
SELF ESTEEM	-.731	.058	-.488	-12.673	.000

{ $F(1, 515) = 160.603$, $p < .001$, $R^2 = .238$ }

A simple linear regression was computed to predict depression based on self esteem. The analysis summary in Table 2 shows that a significant regression equation was found **{ $F(1, 515) = 160.603$, $p < .001$, with a $R^2 = .238$ }**. This suggests that self esteem significantly predicts depression among apprentice artisans, with a 23% variation in depression explained by self esteem. This reveals that self esteem will significantly predicts depression among apprentice artisans.

Table 3 : Simple Linear Regression Analysis of Depression by Burnout

<i>Model</i>	<i>Sum of Squares</i>	<i>Df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig</i>
Regression	52571.401	1	52571.401	479.527	.000
Residual	56460.355	515	109.632		
Total	109031.756	516			

<i>Model</i>	<i>B</i>	<i>SE.B</i>	<i>Beta</i>	<i>t</i>	<i>p</i>
(Constant)	4.114	1.466		2.807	.000
BURNOUT	.666	.030	.694	21.898	.000

{ $F(1, 515)=479.527, p<.001, R^2=.482$ }

A simple linear regression was computed to predict depression based on burnout. The analysis summary in Table 2 shows that a significant regression equation was found { $F(1, 515)=479.527, p<.001, with a R^2=.482$. This suggests that burnout significantly predicts depression among apprentice artisans, with a 48% variation in depression explained by burnout. This reveals that burnout will significantly predicts depression among apprentice artisans.

DISCUSSION

The study established that burnout and self-esteem significantly predict depression among apprentice artisans in Ede, Osun State, Nigeria. The correlation analysis indicated that self-esteem had a significant negative relationship with depression [$r(515)= -.49, p < .01$]. This implied that when apprentice artisan's self-esteem is high, they tend to experience low level of depression. This finding is in line with assertion of Vanbuskirk (2019) which indicates that people with low self-esteem tend to exhibit negative responses, while those with high self-esteem tend to be less affected, as they are inclined to reject or restrict the scope of negative feedback. Also, other studies reveal that low self-esteem is associated with depression (Nguyen et al., 2019; Park & Yang, 2017; Steiger et al., 2014; Orth, & Robins, 2013).

On the one hand, burn out also significantly predicted depression among the apprentice artisans. The correlation analysis indicated that burnout had a significant positive relationship with depression [$r(515)= .69, p < .01$]. This implied that when apprentice artisan's level of burnout increases, there also tend to be an increase in depression. Many studies have also shown that there is a positive correlation between burnout and depression (Bianchi and Laurent, 2015; Bianchi et al., 2013, 2014). Another study also showed that professionals with increased burnout tend to have an increase in depressive symptoms. (Papathanasiou, 2015). Emotional exhaustion which is the core component of burnout has also been found to be positively correlated with depressive symptoms. (Ahola et al., 2014; Takai et al., 2009). These findings also relates to the findings of the systemic review that was carried out by Bianchi et al. (2015). In a research carried out by Vasconcelos et al., in 2018 among nurses, burnout was presented by 14.29% of the nurses. Out of these numbers, more than 50% had symptoms of depression. There was a significant association between burnout and depressive symptoms. It deduces that the higher the level of emotional exhaustion, depersonalization, and low professional accomplishment the greater the

depressive symptoms. Employees with burnout had the most symptoms, compared with those who experienced only exhaustion, disengagement from work or no burnout, which is corroborated by the research finding that burnout significantly predicts depression.

CONCLUSION AND RECOMMENDATION

Based on this present study's findings, the authors conclude that there is a high predictive influence of self esteem and burnout on depression among automobile apprentice artisans in Ede, Osun State. Authors recommend routine depression screening for apprentices for those identified to be at risk of depression. Also, psychological management of depression is essential to ensure that apprentice with a risk of depression lead a healthy life. Also, social skills training should be incorporated in the apprenticeship programme and periodic work breaks should be regulated to reduce incidence of burnout.

ETHICAL CONSIDERATIONS AND CONSENT

The Helsinki Declaration was followed in this study because it involved human subjects. The Internal Research Ethic Committee (IREC) of Redeemer's University Nigeria reviewed the research purpose and recommended procedures. Before administering the instruments, participants' informed consent was sought and obtained.

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