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Perceived Stress and Coping Strategies among Medical Students in a Tertiary Institution in Southwest Nigeria

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Authors' contributions

This work was carried out in collaboration among all authors. All authors read and approved the final manuscript.

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ABSTRACT

Background: Stress in medical school has become a common phenomenon and studies have shown that students tend to adopt dubious strategies to cope and survive the higher general demands during medical training. This study aimed to determine the level of perceived stress and coping strategies among medical students in Nigeria.

Method: This was a cross-sectional study design carried out among two hundred and eight medical students of the Ladoke Akintola University of Technology. The Cohen perceived stress scale (PSS) and Brief cope scale were instruments adapted for the study. Data obtained were

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analyzed using SPSS version 21.0. Descriptive and analytical statistics were presented as frequencies, percentages, means, and standard deviations. The Chi - square test determined associations and significant associations at P < 0.05.

Results: In this study we found that 69.6% of the respondent has a low perceived stress level and 30.4% reported a high level of perceived stress. The study showed a statistically significant relationship between monthly income and perceived stress (p-value = 0.046). Religion (3.01±0.93), Positive reframing (2.89±0.81), self-distraction (2.82±0.81), acceptance (2.81±0.86) and planning (2.60±0.86) among others, were the common coping strategies observed.

Conclusion: This study demonstrated a high level of perceived stress among medical students and especially in the 2nd and 4th year of their medical training, more among female students, and a significant association was found between stress and monthly allowances.

Keywords: Perceived stress; coping strategies; medical students; Nigeria.

1. INTRODUCTION

The study of medicine is a life-long engagement and without limitations. It is a path that never ends and this fact place medical students under heavy stress [1]. "Stress among medical students has become a common phenomenon for several reasons. Students are faced with demanding academic standards, fear of examinations, high parental expectations, peer pressure, lack of leisure time, financial problems and relationship disharmony are some of the many known factors contributing to the development of stress in undergraduate medical students".

The Transactional Theory of Stress and Coping (TTSC), [2] defined stress as to the result of between individuals and their interactions immediate surroundings or environments. Responses to a stressor are determined by perceptions of the respective event [3]. "According to TTSC, there are three levels of stress appraisal: 1. primary, 2. secondary, and 3. re-appraisals. Primary appraisals are of whether a stressor is threatening. Secondary appraisals entail an assessment of the resources that are available to cope with a stressor. Re-appraisal involves continuous appraisals of a specific stressor and available resources. When faced with a stressful event, an individual will adopt either problem- or emotion-focused coping depending on their strategies. secondarv appraisals of a stressor" [2]. "Individuals use problem- and emotion-focused coping strategies when the resources that they require to cope with a stressor are perceived to be sufficient and insufficient, respectively" [2].

"It was noted that when individuals are aware of the stress coping strategies and are able to reappraise, they can adjust the coping strategies according to their current reality, adopting those that best fits their particular situation" [4]. "However, in the case of negative adaptation caused by the use of negative coping strategies, individuals may not be able to adapt to or reevaluate the situation in order to modify the measures. Consequently, an intense feeling of withdrawal may occur, manifested in feelings of apathy and demotivation in academic activities" [5].

Medical students, however, are adopting various coping techniques to survive this apparent norm which in one way or another could be detrimental to their general well-being including academic performance and future productivity [6,7]. Lots have changed over time regarding the modalities of medical school training but has it really done much to relieve stress? Or the modern-day broad knowledge in medicine had already added to loads of knowledge needed to be acquired by medical students thereby contributing to the medical school stress.

This study assessed the level of perceived stress and the various coping strategies among medical students as an insight into the effect of stress on academic performance. These will also help both the student and stakeholders to adopt healthy strategies in the coping and or proper management of stress among medical students.

2. METHODOLOGY

2.1 Study Area

The study was conducted at the Ladoke Akintola University of Technology (LAUTECH) Ogbomoso Oyo State Nigeria. The institution has over twenty-five thousand undergraduates, with about four hundred medical students in both pre-clinical and clinical years. The main university campus, College of Health Sciences and Teaching Hospital are located in Ogbomoso town on Latitude 8° 08' 00" East and Longitude of 4o 16' 00" North of the Equator, within the savannah region [8].

2.2 Study Design

The study design was a cross-sectional.

2.3 Study Population

The study was done among medical students between 200-600 levels of the Ladoke Akintola University of Technology Ogbomoso. As at the period of gathering data, there were 130, 133, 70, 75 and 67 students each in 200, 300, 400, 500 and 600 levels respectively. A total of four hundred and seventy-five (475) students in both the preclinical and clinical years.

2.4 Study Instruments

"A self-administered questionnaire with consent was used to capture socio-demographic variables such as age, gender, marital status, level, religion, as well as source of funding for the medical school" [9].

2.4.1 Cohen perceived stress scale

The Cohen perceived stress scale (PSS) was used to measure the degrees to which life events are appraised as stressful [10]. It is one of the widely used validated psychological tools with ten variables on a five-point Likert scale ranging from 0 (never) to 4 (very often) including how often they have felt or thought a certain way within the past month. Scores range from 0 to 40 with higher scores indicative of higher stress. Scores ≥ 20 are considered a high level of perceived stress [10]

2.4.2 Brief COPE scale

Brief COPE consists of 28 items, each scale is rated on a 4-point Likert scale with 14 dimensions, 2 items for each dimension. Each dimension reflects the use of 14 specific coping strategies, including: 1. self-distraction, 2. active coping, 3. denial, 4. substance use, 5. use of emotional support, 6. use of instrumental support, 7. behavioral disengagement, 8. venting, 9. Positive reframing, 10. planning, 11. humor, 12. acceptance, 13. religion, and 14. selfblame. The rating is, '1 = I haven't been doing this at all', '2 = I've been doing this a little bit', '3 = I've been doing this a medium amount', and '4 = I've been doing this a lot'. A higher score indicates greater coping by the respondents [11].

2.5 Study Procedure

The total number of students in each level was obtained through each class representative as stated above. All students were study to rule out selection bias. Self-administered questionnaires were distributed to all students separately according to their year of study. The distribution was following a brief enlightenment on the details and benefit of the research work. Introduction and explanation of the purpose of this study, followed by instructions for the proper filling process. The questionnaires were collected and compiled individually with the consent form on the front page. The questionnaires were completed voluntarily and anonymously.

2.6 Data Analysis

"The data obtained via questionnaires were computed and analyzed using Statistical Package for Social Sciences SPSS version 21.0. Descriptive and analytical statistics were presented as frequencies, percentages, means, and standard deviations. The Chi-square test determined associations and significant associations at P < 0.05" [9].

2.7 Confidentiality of Data

All information gathered was treated and kept with the utmost confidentiality.

3. RESULTS

The total number of respondents involved in the study was 208. The male to female ratio was 0.9 and most of the respondents were in the 20-25years age bracket (53.4%), 40.1% wee less than 20years and 6.3% were above 25year. The majority were Christians (71.4%), single (94.7%) and of Yoruba ethnicity (96.2%). Most of our respondents were in 200L (33.7%), 25.5% in 400L, 20.2% in 500LThe majority were funded by their parent (92.8%), 4.8% were self-funded while 2.4% were on scholarship, 48.2% of respondents earns #10,000 to #20,000, 23.1% earn below #10,000, 21.6% earn between #20,000 to #50,000 while 7.0% earns more than #50,000. 87.3% has not had any previous tertiary qualification and 88.5% are from monogamous setting (Table 1).

Using the perceived stress scale, 69.6% of the respondent has a low perceived stress level and 30.4% has high level of perceived stress. Using a P-value of 0.05, the study showed a statistically significant relationship between monthly income and perceived stress as earning between N20000 - N50000 is associated with high perceived stress. Being a female, aged between 20-25years, being of Igbo ethnicity, being funded by a parent, being from a monogamous family and not having a previous tertiary qualification

are associated with higher perceived stress levels however all these are not statistically significant (Tables 2-4).

From the Brief COPE scale, The Avoidant coping mechanism category has a mean of 1.78 ± 0.38 (p value= 0.697) Problem focused category mechanism category is 2.64 ± 0.67 (p value= 0.723) Emotion-focused coping mechanism category is 2.36 ± 0.58 (p value= 0.272).

Variables	Frequency	Percentage (%)
Sex	· · · ·	0 ()
Male	99	47.6
Female	109	52.4
Age (years)		
< 20	83	40.1
20 – 25	111	53.4
> 25	13	6.3
Religion		
Christianity	147	71.4
Islam	51	24.8
Traditional	6	2.9
Others	2	1.0
Marital status		
Single	197	94.7
Married	11	5.3
Ethnic		
Yoruba	200	96.2
Igbo	6	2.9
Hausa	2	1.0
Level		-
200L	70	33.7
300L	35	16.8
400L	53	25.5
500L	42	20.2
600L	8	3.8
Source of funding		
Self	10	4.8
Parent	193	92.8
Scholarship	5	2.4
Monthly income		
< 10k	46	23.1
10k – 20k	96	48.2
20k – 50k	43	21.6
> 50k	14	7.0
No of year spent in medical school		
< 3 Years	71	34.3
3 – 5 Years	99	47.8
> 5 Years	37	17.9
Had previous tertiary qualification		
Yes	26	12.7
No	179	87.3
Family setup		
Monogamous	184	88.5
Polygamous	24	11.5
Family history of subs abuse		· · · · •
Sibling	3	1.4
Extended Family	7	3.4
Don't know	17	8.2
	••	

Table 1. Sociodemographic characteristics of respondents

4. DISCUSSION

The total number of respondents involved in the study was 208. This poor response was due to the fact that there was industrial action by the academic staff union across tertiary institutions in Nigeria during which period the majority of those who would have participated in the study were off the campus. The male-to-female ratio was 0.9 and most of the respondents were in the 20-25 years age bracket (53.4%), 40.1% are less than 20 years and 6.3% are above 25 years.

Table 2. Perceived stress scale among medical students

Variables	Frequency	Percentage
Low perceived Stress	144	69.6
High perceived Stress	63	30.4
Mean (SD)	18.16 ± 0.39	

Table 3. Relationship between perceived stress and sociodemographic characteristics

Variables	Low stress (%)	High stress (%)	p-value
Sex		_ , ,	0.073
Male	73 (74.5)	25 (25.5)	
Female	71 (65.1)	38 (34.9)	
Age (years)	s e		0.422
< 20	60 (73.2)	22 (26.8)	
20 – 25	73 (65.8)	38 (34.2)	
> 25	60 (73.2)	22 (26.8)	
Religion			0.385
Christianity	102 (69.9)	44 (30.1)	
Islam	36 (70.6)	15 (29.4)	
Traditional	4 (66.7)	2 (33.3)	
Others	1 (50)	1 (50)	
Marital Status			0.408
Single	136 (69.4)	60 (30.6)	
Married	8 (72.7)	3 (27.3)	
Ethnic	· /	· · /	0.287
Yoruba	139 (69.8)	60 (30.2)	
Igbo	4 (66.7)	2 (33.3)	
Hausa	1 (50)	1 (50)	
Level			0.092
200L	45 (65.2)	24 (34.8)	
300L	24 (68.6)	11 (31.4)	
400L	36 (67.9)	17 (32.1)	
500L	33 (78.6)	9 (21.4)	
600L	6 (75)	2 (25)	
Source of funding	0 (10)	= (=3)	0.385
Self	8 (80)	2 (20)	
Parent	132 (68.8)	60 (31.3)	
Scholarship	4 (80)	1 (20)	
Monthly income		- \/	0.046*
< 10k	34 (73.9)	12 (26.1)	0.0.0
10k – 20k	71 (74.7)	24 (25.3)	
20k – 50k	22 (51.2)	21 (48.8)	
> 50k	10 (71.4)	4 (28.6)	
No of year spent in medica		- ()	0.138
< 3 Years	47 (67.1)	23 (32.9)	000
3 – 5 Years	68 (68.7)	31 (31.3)	
> 5 Years	29 (78.4)	8 (21.6)	
Had previous tertiary qual		- \/	0.341
Yes	19 (73.1)	7 (26.9)	
No	123 (69.1)	55 (30.9)	
Family Setup	(00)		0.270
Monogamous	126 (68.9)	57 (31.1)	0.270
	120 (00.07	07 (01.17	

*P-value of 0.05

Variables	Overall	p-value
PSS	18.16 ± 5.57	0.04
Brief COPE sub		
Active Coping	2.64 ± 0.73	0.652
Use of Informational Support	2.47 ± 0.91	0.917
Positive reframing	2.89 ± 0.81	0.454
Planning	2.60 ± 0.86	0.522
Emotional support	2.43 ± 0.86	0.932
Venting	2.05 ± 0.81	0.026
Humor	2.27 ± 0.99	0.682
Acceptance	2.81 ± 0.86	0.850
Religion	3.01 ± 0.93	0.960
Self-blame	1.67 ± 0.80	0.016
Self-Distraction	2.82 ± 0.81	0.239
Denial	1.47 ± 0.65	0.816
Substance use	1.16 ± 0.46	0.450
Behavioral Disengagement	1.69 ± 0.74	0.901
Brief cope by category		
Avoidant	1.78 ± 0.38	0.697
Problem-Focused	2.64 ± 0.67	0.723
Emotion Focused	2.36 ± 0.58	0.272

Table 4. Brief COPE scores among medical students

This study shows that 69.6% of the respondent has a low perceived stress level and 30.4% reported a high level of perceived stress. Globally, studies have shown that reported levels of stress among medical students range anywhere from 25% to 75% [12]. United States, Malavsia and Saudi Arabia have reported stress levels of 26.0%, 29.6% and 57.0% respectively which were related to the academic environment [13]. Ratana and colleagues, [14] in Thailand, recorded a high prevalence of 61.4% among Thai medical students, while Supe et al. [14] documented a prevalence of 73% among medical students in Mumbai. Mostafa et al. [15] in Mansoura Egypt noted a high prevalence of 94.5%. Similarly, Ragaa et al. [16] also observed a prevalence of 71.5% among clinical medical students in Saudi Arabia. Similarly, a study at Bayero University, Kano Nigeria shows the prevalence of stress to be 59.8% [17] among medical students. "The relatively high level of stress may be related to common stressors in medical schools such as heavy academic workload, intense pace of training, lack of leisure time, frequent formative assessment (ward rounds and clinics), few holiday periods, financial difficulties, time pressure and uncertainty of the academic calendar among others" [18].

This study showed a high level of perceived stress among female medical students compared to their male colleagues. This was in tune with a similar study by Satpathy et al. [19]. This finding may be attributed to the fact that females in general are more susceptible to various levels of stress ranging from religion to relationship ado. In another study by Rani et al., it was found that "females perceived more stress in a competitive environment and had greater conflicts" [20]. However contrary to our reports, other findings around the world reported a high level of stress among male students compared to females [21,22].

Moreso, from our study, students in their second and fourth years showed high levels of perceived stress. This finding could be due to the fact that the second year starts the journey of preclinical training and the fourth year the beginning of clinical years. These entry and transition years come with lots of challenges as students in the second year are just been introduced to core basic medical subjects like anatomy, physiology and biochemistry after just completing basic science subjects in their first year as medical students which of course they're well acquainted with from secondary school level. Also, the fourth year posed several challenges in that, student transit from basic medical to clinical courses (pathology and pharmacology) and introduction to other clinical areas like pediatrics, internal medicine, etc coupled with the clinical posting experiences, long hours of standing during ward clinics, call duties and surgical rounds. exposures. In contrast, in Saudi Arabia [21] students of the 3rd and 6th years showed higher percentages of perceived stress and similar results were found in an Indian study [23]. These disparities could be due to different structures in medical schools and the nature of the learning environment.

However, a statistically significant relationship was found between monthly allowances and

perceived stress earnings between as NGN20.000 - NGN50.000 (about 25 - 60USD) are associated with high perceived stress. It has been reported that financial and social problems among others, could be stressful factors for medical students [21]. The medical training isn't academically draining but financially just demanding likewise. Having to worry about financial inadequacy could be stressful and this could negatively impact learning ability.

"Coping strategies refer to specific efforts, both behavioral and psychological, that people employ to master, reduce, tolerate, or minimize stress due to undesired events. Effective and appropriate coping strategies may minimize the impact of encountered stressful situations on one's well-being" [10]. Our findings observed that religion, positive reframing, self-distraction and acceptance were the prevailing coping strategies among medical students. And by category, the Problem focused mechanism category 2.64±0.67 (p value= 0.723) was the most utilized coping mechanism in this study, closely followed by the Emotion-focused coping mechanism category 2.36±0.58 (p value= 0.272) and the Avoidant coping mechanism category 1.78±0.38 (p value= 0.697). The common coping mechanisms of instrumental support, behavioural disengagement, acceptance, religion, self-blame, and emotional support have been described in numerous research as being highly adaptive and hastening the resolution of distress [10,24-26]. However, our findings were not in resonance with studies conducted in the United Kingdom and among Jordanian medical students, where the use of alcohol, tobacco, and drugs as common coping strategies was reported [27-29].

5. CONCLUSION

Summarily, this study demonstrated a high level of perceived stress among medical students and especially in the 2^{nd} and 4^{th} year of their medical training, more among females, and a significant association between stress and monthly allowances. The problem-focused coping mechanism category was mostly utilized as a coping strategy. A high prevalence of stress among medical students is cause for concern because it may influence their behaviour, impede their learning, and have an impact on patient care after they graduate [30]. Students should be taught stress management techniques to help them cope with the demanding professional course. The stress load of students can be taken care of by motivating them to participate in

extracurricular activities which the tightly packed medical school curriculum doesn't give much room for. Planning must be done to address the stress levels as with increasing years, the workload and level of toughness of medical courses also increase.

CONSENT

As per international standard or university standard, respondents' written consent has been collected and preserved by the author(s).

ETHICAL APPROVAL

It is not applicable.

COMPETING INTERESTS

Authors have declared that no competing interests exist.

REFERENCES

- Fares J, Saadeddin Z, al Tabosh H, Aridi H, el Mouhayyar C, Koleilat MK, et al. Extracurricular activities associated with stress and burnout in preclinical medical students. J Epidemiol Glob Health. 2016;6(3):177–85.
- Lazarus RS, Folkman S. Treatment and stress management. Stress, Appraisal, and Coping. 1984;334–75. Available:http://reader.eblib.com.au.ezprox y.lib.swin.edu.au Access on 2022 Mar 26
- 3. Updegraff JA, Taylor SE. From vulnerability to growth: Positive and negative effects of stressful life events; 2000.
- 4. Shoda MA, Titiloye MA. ACTA Scientific Nutritional Health perceived stress and coping mechanism among medical students of University of Ibadan, Nigeria.
- 5. Chernomas WM, Shapiro C. Stress, depression, & anxiety among undergraduate nursing students. Int J Nurs Educ Scholarsh. 2013;10(1):255–66.
- Saeed A, Bahnassy A, Al-Hamdan N, Almudhaibery F, Alyahya A. Perceived stress and associated factors among medical students. J Family Community Med. 2016;23(3).
- 7. Perceived Stress Scale 4 (PSS-4). 1983;4:1983.
- 8. Fact Sheet [Internet].

Available:https://www.ogbomoso.net/about -ogbomoso/fact-sheet Access on 2022 Mar 24

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- 10. Melaku L, Bulcha G. Evaluation and comparison of medical students stressors and coping strategies among undergraduate preclinical and clinical year students enrolled in Medical School of Arsi University, Southeast Ethiopia. Educ Res Int. 2021;2021.
- 11. Carver CS. Brief COPE inventory. Int J Behav Med. 1997;4.
- 12. Oku A, Oku O, Owoaje E, Ikpeme B. Prevalence of stress, stressors and coping strategies among medical students in a Nigerian medical school. Afr J Med Health Sci. 2015;14(1):29.
- Shaikh BT, Kahloon A, Kazmi M, Khalid H, Nawaz K, Khan NA, et al. Students, stress and coping strategies: A case of Pakistani medical school. Education for Health. 2004;17(3):346–53.
- Supe AN. A study of stress in medical students at Seth G. S. Medical College. J Postgrad Med. 1998;44(1).
- Amr M, Gilany AH el, El-Hawary A. Does gender predict medical students' stress in Mansoura, Egypt? Med Educ Online. 2008;13.
- EI-Masry R, Ghreiz S, Helal R, Audeh A, Shams T. Perceived stress and burnout among medical students during the clinical period of their education. Ibnosina Journal of Medicine and Biomedical Sciences. 2013;5(4).
- 17. Asani MO, Farouk Z, Gambo S. Prevalence of perceived stress among clinical students of Bayero University Medical School. 2016;55–8.
- Omigbodun OO, Odukogbe ATA, Omigbodun AO, Yusuf OB, Bella TT, Olayemi O. Stressors and psychological symptoms in students of medicine and allied health professions in Nigeria. Soc

Psychiatry Psychiatr Epidemiol. 2006;41(5):415–21.

- Satpathy P, Siddiqui N, Parida D, Sutar R. Prevalence of stress, stressors, and coping strategies among medical undergraduate students in a medical college of Mumbai. J Educ Health Promot. 2021;10(1).
- 20. Rani et al. A study on stress levels among first year medical... - Google Scholar. Available:https://scholar.google.com/schol ar_lookup?journal=IOSR+JDMS&title=A+s tudy+on+stress+levels+among+first+year+ medical+students Access on 2022 Nov 18
- Atwa H, Bugshan T, Alkaf M. Perceived stress among undergraduate medical students at a private medical college in Saudi Arabia: prevalence and inducing factors. International Journal of Medicine in Developing Countries. 2019;37–43.
- 22. Perceived stress in a probability sample of the United States. - PsycNET [Internet]. Available:https://psycnet.apa.org/record/19 88-98838-002 Access on 2022 Nov 18
- Anuradha R, Dutta R, Dinesh Raja J, Sivaprakasam P, Patil AB. Stress and stressors among medical undergraduate students: A cross-sectional study in a private medical college in Tamil Nadu. Indian J Community Med. 2017;42(4):222– 5.
- 24. behavior PTJ of health and social, 2010 undefined. Stress and health: Major findings and policy implications. Journals.Sagepub.com. 2010;51:S41–53.
- Schneiderman N et al. GIA review of clinical, undefined. Stress and health: psychological, behavioral, and biological determinants. ncbi.nlm.nih.gov; 2005. Available:https://www.ncbi.nlm.nih.gov/pm c/articles/PMC2568977/ Access on 2022 Nov 18
- 26. Journal ZASTS Dental, undefined. Academic distress, perceived stress and coping strategies among dental students in Saudi Arabia. Elsevier; 2013. Available:https://www.sciencedirect.com/sc ience/article/pii/S1013905213000266 Access on 2022 Nov 18
- Guthrie EA, Black D, Shaw CM, Hamilton J, Creed FH, Tomenson B. Embarking upon a medical career: Psychological morbidity in first year medical students. Med Educ. 1995;29(5):337–41.

Ojedokun et al.; Asian J. Med. Prin. Clinic. Prac., vol. 6, no. 1, pp. 26-34, 2023; Article no.AJMPCP.95464

- Abu-Hijleh M, Bataineh ZM, Taghreed AE, Hijazi A, Hijleh MFA. Attitudes and reactions of Jordanian medical students to the dissecting room. Springer. 2006;28(4):416–21. Access on 2022 Nov 18
- 29. Ashton C, Education FKM, undefined. Personality, lifestyles, alcohol and drug consumption in a sample of British medical students. Wiley Online Library; 1995.

Available:https://onlinelibrary.wiley.com/doi /abs/10.1111/j.1365-2923.1995.tb02828.x Access on 2022 Nov 18

 Yusoff MSB, Abdul Rahim AF, Baba AA, Ismail SB, Mat Pa MN, Esa AR. Prevalence and associated factors of stress, anxiety and depression among prospective medical students. Asian J Psychiatr. 2013;6(2):128–33.

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