DRUG SUBSTANCE ABUSE AMONGST UNIVERSITY STUDENTS IN ANAMBRA STATE, NIGERIA

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Abstract

This research paper tries to investigate the extent of substance abuse amongst University Students in Anambra State, Nigeria. University students are the most susceptible to drug use amongst different youth groups in Nigeria because most of them live outside the watch of their parents or guardian. Hence, a comprehensive empirical study on the prevalence of drug abuse amongst university students in Anambra. The Multi-stage sampling technique was used in the study. Four departments randomly selected amongst four faculties based on systematic sampling which involved administering the questionnaire to every 50th person in each department, making a total sample size of 800 students from the Anambra State University. Questionnaire was used to elicit data from the student. The study also revealed that a higher proportion of respondents were male students and this suggests that the compulsive use of drugs is associated majorly with male gender.

Keywords: substance abuse, university students, youth groups and Drugs

Introduction

Since the early times, herbs, leaves and plants have been use to heal and control diseases. The use of drugs in itself does not constitute any danger, because drugs correctly administered have been a blessing. Falco (1988) as cited by Sambo (2008) viewed that "chronic use of substances can cause serious, sometimes irreversible damage to adolescent's physical and psychological development. The use of drugs could be beneficial or harmful depending on the mode of use.

A drug refers to a substance that could bring about a change in the biological function through its chemical actions (Okoye, 2001). It is also considered as a substance that modifies perceptions, cognition, mood, behaviour and general body functions (Balogun, 2006). They could thus, be considered as chemical modifiers of the living tissues that could bring about physiological and behavioural changes (Nnachi, 2007). Drug abuse is a major public health problem all over the world (UNODC) (2005). The use and abuse of drugs by adolescents have become one of the most disturbing health related phenomena in Nigeria and other parts of the world (NDLEA; 1997). Several school going adolescents experience mental health programme, either temporarily or for a long period of time. Some become insane, maladjusted to school situations and eventually drop out of school.

According to Fawa (2003), "Drug is defined as any substance, which is used for treatment or prevention of a disease in man and animals. Drug alters the body functions either positively or otherwise depending on the body composition of the user, the type of drug used, the amount used and whether used singly or with other drugs at the same time".

NAFDAC (2000) as cited by Haladu(2003) explained the term drug abuse as excessive and persistent self-administration of a drug without regard to the medically or culturally accepted patterns. It could also be viewed as the use of a drug to the extent that it interferes with the health and social function of an individual. World Book Encyclopedia (2004) defined drug abuse as the non-medical use of a drug that

interferes with a healthy and productive life Manbe (2008) defined drug abuse as the excessive, maladaptive or addictive use of drugs for non-medical purpose.

Abdulahi (2009) viewed drug abuse as the use of drugs to the extent that interferes with the health and social function of an individual. In essence, drug abuse may be defined as the arbitrary overdependence or mis-use of one particular drug with or without a prior medical diagnosis from qualified health practitioners. It can also be viewed as the unlawful overdose in the use of drug(s).

Odejide (2000) warned that drug abusers who exhibit symptoms of stress, anxiety, depression, behaviour changes, fatigue and loss or increase in appetite should be treated by medical experts and counsellors to save them from deadly diseases. **Types of Drug Abuse**

In Nigeria, the most common types of abused drugs according to NAFDAC (2000) as cited by Haladu (2003) are categorized as follows:-

- 1. Stimulants: These are substances that directly act and stimulate the central nervous system. Users at the initial stage experience pleasant effects such as energy increase. The major source of these comes from caffeine substance.
- 2. Hallucinogens': These are drugs that alter the sensory processing unit in the brain. Thus, producing distorted perception, feeling of anxiety and euphoria, sadness and inner joy, they normally come from marijuana, LSD etc.
- 3. Narcotics: These drugs relive pains, induce sleeping and they are addictive. They are found in heroin, codeine, opium etc.
- 4. Sedatives: These drugs are among the most widely used and abused. This is largely due to the belief that they relieve stress and anxiety, and some of them induce sleep, ease tension, cause relaxation or help users to forget their problems. They are sourced from valium, alcohol, promotazine, chloroform.
- 5. Miscellaneous: This is a group of volatile solvents or inhalants that provide euphoria, emotional disinhibition and perpetual distortion of thought to the user. The main sources are glues, spot removers, tube repair, perfumes, chemicals etc.
- 6. Tranquilizers: They are believed to produce calmness without bringing drowsiness, they are chiefly derived from Librium, Valium etc.

At times youth, including students, who hawk for their parents, are themselves exposed to substance abuse. Some youths will experiment and stop, or continue to use occasionally without significant problems. Others will develop addiction, moving on to more dangerous drugs and causing significant harm to themselves and the society at large (Pela, 1989). Despite the effort of many concerned bodies to curb this menace, many organizations and individuals still present these drugs as though they are harmless which often lure irrational youths into drugs and alcoholism. Drug use amongst young people should be a matter of concern to all Nigerians especially the government, school heads, the leaders of various religious groups and other NGOs. This study therefore aimed at establishing the prevalence of drug abuse amongst students in Anambra State University.

Statement of Problem

The health of young people is a key factor in the promotion and preservation of the health of the population as a whole because it determines the overall level of population health in the short term (Tsvetkova and Antonova, 2013). There seem to be an increasing prevalence of drug abuse amongst adolescents despite the efforts of concerned bodies to curb this menace. University students are the most susceptible to drug use amongst different youth groups in Nigeria because most of them live outside the watch of their parents or guardian. Hence, a comprehensive empirical study on the prevalence of drug abuse amongst university students in Anambra.

Objectives of the Study

The main objective of this research is to find out the prevalence of drug abuse amongst university students in Anambra.

The specific objectives of the study are as follows to:

- 1. Assess the prevalence of drug abuse amongst university students in Anambra.
- 2. Identify types of drugs that are commonly abused.
- 3. Identify the factors responsible for drug abuse among the students.

Research Questions

The study attempts to answer the following questions

- 1. What is the prevalence rate of drug abuse amongst the university students in Anambra?
- 2. What types of drugs are commonly abused by the students?
- 3. What are the factors that influence the consumption of these drugs?

Hypothesis

There is no significant relationship between university environment and drug abuse amongst university students in Anambra.

Ethical Considerations

Permission for the study was obtained from the ethics committee and authorities of the Anambra State University. A written informed consent was also gotten from the participants after clear education on the need for the study and their rights to give or refuse consent. All data were handled with strict confidentiality.

Research Methodology

Research design: descriptive survey

Research population: The target population for this study were male and female from the following four faculties; basic medical Sciences, Engineering, law and social sciences. This consists of a total population of 7,570 students.

Sampling technique: Multi-stage sampling technique was used. Four faculties were randomly selected, then four departments randomly selected and this was followed by the systematic sampling which involved administering the questionnaire to every 50th person in each department, making a total sample size of 800 students.

Instrument for data collection: Questionnaire was used to elicit data from the students. The questionnaire had four sections which included the students' demographic data, prevalence of drug abuse, commonly abused drugs and factors influencing students into drug abuse. These instruments were self-administered and were pretested before the commencement of the study.

Reliability of the study: The department of Arts was used for the pilot study, this was considered important because comments and suggestions by respondents during pre-testing helped improve the quality of the questionnaire. Test re-test was used for measuring there liability. The reliability value was 0.79.

Procedure for data collection: 8 Research assistants were recruited from the researcher's department

Method of data analysis: Data was analyzed with frequency tables and percentages. Pearson product moment correlation was also used to test the hypothesis by using the Statistical Package for Social Sciences (SPSS). Ethical consideration: A permit was obtained from the chairman of research committee, Anambra State University and informed consent from all respondents. The questionnaires were clearly explained to the selected students before and during the process of answering them.

Results

The result from table 1 indicates that four faculties participated in the prevalence of drug abuse among students in Anambra State University survey, the four faculties have equal number of respondents. The information is presented graphically in table 2.

Table 1. Frequency distribution of sampled students in each faculty

Faculty	Frequency	Percentage (%)
Law	200	25.0
Basic medical sciences	200	25.0
Social science	200	25.0
Engineering	200	25.0
Total	800	100

Table 2. Frequency distribution of sampled students by departments

Departments	Frequency	Percentage (%)
Law	200	25.0
Medical biochemistry	50	6.3
Medical lab science	50	6.3
Nursing science	50	6.3
Medical physiology	50	6.3
Economics & statistics	50	6.3
Political science	50	6.3
Sociology	50	6.3
Geography & Regional planning	50	6.3
Electrical electronics	50	6.3
Chemical engineering	50	6.3
Mechanical engineering	50	6.3
Computer engineering	50	6.3
Total	800	100

Thirteen (13) departments were sampled in the study; the department of law had the highest respondents (25.0 %), while other department had 6.3 per cent as shown in table 2.

The compartmentalisation of the gender of respondents show that male students constituted 55.8 per cent of the sample while females in the sample were 44.3 per cent as shown in table 3.

Table

_3.	Frequenc	ey distribution	of g	gende
Gender Male Female Total		Frequency	Percentage (%	6)
		446	55.8	
		354	44.3	
		800	100	

The respondents (students) are between one hundred (first year) and five hundred level (fifth year), but the four hundred level students (fourth year) formed the bulk of the subjects used for the study (36.3%), the group with the smallest number of participants is one hundred level students (3.0%) as shown in table 4.

Table

4.	Frequency	distribution of	students' level
	Level	Frequency	Percentage (%)
	100	24	3.0
	200	144	18.0
	300	258	32.3
	400	290	36.3
500		84	10.5
Total		800	100

A greater proportion of the subjects were between the ages of 20 - 25 year, followed by those in the age bracket of less than 20years while those whose ages were 26years and above were just (14.4%) as shown in table 5.

Table

5.	Frequency	distribution	of	students'	age
	Age	Frequen	cy	Percentage (%)	
	Less than 20 years	175		21.9	
	20 – 25 years	510		63.8	
	26years and above	115		14.4	
	Total	800		100	

Majority of the respondents practice Christianity (97.6%), followed by Muslim (1.8%) and just (0.6%) practice African traditional religion as shown in table 6.

Table

6.	Frequency di	istribution	of	re	ligious	affiliation
	Religion	Frequency			Percent	tage (%)
	Christian	781			97.6	
	Muslim	14			1	.8
	Traditional religion	5			0	0.6

Presentation of results

In this section each of the research questions is re-stated and the statistical analysis carried out to answer it. Frequency and percentage was used to answer.

Research question one

• What is the prevalence rate of drug abuse among students?

To answer this research question the frequency count and percentage of students' response was analysed and presented in table 8.

Table 7 shows the students response in relation to drug abuse, the result reveals that out of eight hundred (800) respondents who participated in the study, three hundred and fifty one 351 (43.9%) have taken drugs other than for medical purpose. 411 (51.4%) have not taken while 38 (4.8%) students did not respond to the item. Therefore 46.6% of the sample respondents have at one time or the other used drugs for non-medical purposes.

Table

7. Prevale	nce	rate	of	drug ab	use
Question	1	Yes	No	No response	
Have you ever use for non-medical p	_	351 (43.9%)	411 (51.4%)	38 (4.8%)*	

^{*}figures in parenthesis are in parentages

Result in table 8 reveals that majority of the respondents (82.0%) did not respond to the item measuring the duration of drug abuse, 77.08% of respondents who responded to the item have been taking drug for less than four years, while 12.5% have taken drug more than four to five years and only 10.41% have taken drug more than six years and above. The large percentage of respondents who have taken drug less than four years could be subjects with a four year academic programme on the average.

Table 8. Shows duration of drug abuse by the students: Frequency and percentages were used to answer this research question

Duration of drug abuse	Less than four years	Four to five years	Six years and above	No
For how long have you been using the drugs?	111 (13.9%)	18 (2.3%)	15 (1.9%)	656

Result in table 9 shows that majority of the respondents disagreed to item "1 and 3". "Is any member of your family a drug abuser?" (69.1%), Have you engaged in illegal activities to obtain any drugs? (82.9%) while 59.6% agreed to "item 2" Do you feel normal /okay when some drugs are not at your reach? This implies that the factors that instigate students to take drugs are external or environmental, coupled with ease of access.

Table	9.	Showing	factors	that	instigate	drug	consumption

s/n	Statement	Yes	No
1	Is any member of your family a drug abuser?	214 (26.8%)	553 (69.1%)
2	Do you feel normal/okay when some drugs are not at your reach?	477 (59.6%)	250 (31.3%)
3	Have you engaged in illegal activities to obtain any drugs?	103 (12.9%)	663 (82.9%)

Results in table 10 reveals that majority of the respondents ticked "no" to items "1 to 5". Are these drugs in readily available in the school? (55.5%); Have you been taken drugs before gaining admission into the university? (71.9%); did you start taking drugs when you gained entry (admission) into the university? (79.6%); has the university environment influenced you in the use of drugs? (79.9%) and is drug abuse common in your faculty? (72.1%). The large number of persons who disagreed to the items show that accessibility to drug is low within the school environment. This implies that the rate of drug abuse among Anambra students is high. Furthermore table 9 reveals the drugs commonly abused by students.

Tab	le	10.	Students	access	sibility	to	drug
S	s/n				Yes	No	
	1	Are these drugs in	readily available in the	school?	286 (35.8%)	444 (55.5	5%)
	2	Have you been tak admission into the	en drugs before gainin university?	g	178 (22.3%)	575 (71.9	9%)
	3	Did you start takin (admission) into th	g drugs after you gaine ne university?	ed entry	114 (14.3%)	637 (79.0	5%)
	4	Has the university the use of drugs?	environment influence	d you in	109 (13.6%)	639 (79.9	9%)
	5	Is drug abuse com	mon in your faculty?		166 (20.8%)	577 (72.1	1%)

Research question two

• Which types of drugs are commonly abused by the students?

To answer this research question the frequency count and percentage of students' response was analysed and presented in table 8.

Table 12 reveals that out of the eight (8) commonly abused substance/drugs, the rate of abuse varies. Students seem to abuse the following type of drugs respectively: Coffee 294 (36.8%); Alcohol 237 (29.6%); Spirit 237 (29.6%); Kola nut 128 (16.0%); Cigarette 103 (12.9); tobacco 84 (10.5%); Marijuana (Weed) 78 (9.8%) and Cocaine 52 (6.5%). The result presented is from a sample of 800 students, but only 300 students responded to the items while about 500 students did not tick so show their agreement or disagreement. Frequency and percentage will be used to explain this research questions.

Table 11. Frequency of commonly abused drugs among the university students

Substances	Yes	No	No response
Coffee	294 (36.8%)	3 (0.4%)	503 (62.9%)
Alcohol	237 (29.6%)	5 (0.6%)	558 (69.8%)
Cigarette	103 (12.9%)	12 (1.5%)	685 (85.6%)
Marijuana(Weed)	78 (9.8%)	12 (1.5%)	710 (92.0%)
Cocaine	52 (6.5%)	12 (1.5%)	736 (92.0%)
Kola nut	128 (16.0%)	7 (0.9%)	665 (83.1%)
Tobacco	84 (10.5%)	12 (1.5%)	704 (88.0%)
Spirit	237 (29.6%)	-	563 (704%)
Others(specify)	-	-	-

Research question three

• What are the factors that influence students into taking of these drugs? To answer this research question the frequency count and percentage of students' response was analyzed and presented in table 12.

Table 12. Frequency of factors influencing drug consumption among the university students

STATEMENT (FACTORS)	S.A	A	D	SD
Students take drugs to increase intelligence	118 (14.8%)	205 (25.6%)	259 (32.4%)	173 (21.6%)
Most students take drugs out of curiosity	198 (24.8%)	358 (44.8%)	173 (21.6%)	34 (4.3%)
People abuse drugs because they have a lot of pocket money	86 (10.8%)	246 (30.8%)	296 (37.0%)	120 (15.0%)
The availability of drugs can lead to its abuse	293 (36.6%)	297 (37.1%)	139 (17.4%)	25 (3.1%)
Poor teachers/parental example and upbringing could be a cause to make students abuse drugs	355 (44.4%)	338 (42.3%)	41 (5.1%)	22 (2.8%)
Peer group/peer pressure is capable of influencing student into taking of drugs	461 (57.6%)	217 (27.1%)	57 (7.1%)	21 (2.6%)
Students take drugs out of frustration	223 (27.9%)	312 (39.0%)	156 (19.5%)	58 (7.3%)

Table 12 reveals the factors influencing drug abuse among the university students. Students seem to show agreement (SA & A) to the following as potent factors in drug abuse amongst the university students: Most students take drugs out of curiosity "556" (69.6%), The availability of drugs can lead to its abuse "590" (73.7%), Poor teachers/parental example/ improper upbringing could be a factor in students abuse drugs "693" (86.7%), Peer group/peer pressure is capable of influencing student into taking of drugs"678" (84.7%) and Students take drugs out of frustration "535" (66.9%).

The respondents sampled showed disagreement (SD & D) to the following items: students abuse drugs to increase intelligence '432' (54.0%), People abuse drugs because they have a lot of pocket money '416' (52.0%). In furtherance, Table 13 explains peer influence on drug abuse among the university students.

Table 13. Frequency of "peer influence amongst the students in the consumption of drugs?"

Substances	Always	Occasionally	Never	No response
Coffee	262 (32.8%)	273 (34.1%)	67 (8.4%)	198 (24.8%)
Alcohol	263 (32.9%)	270 (33.8%)	109 (13.6%)	158 (19.8%)
Cigarette	310 (26.3%)	246 (30.8%)	127 (15.9%)	217 (27.1%)
Marijuana(Weed)	165 (20.6%)	253 (31.6%) %	158 (19.8%)	224 (28.0%)
Cocaine	130 (16.3%)	249 (31.1%)	180 (22.5) %	241 (30.1%)
Kola nut	159 (19.9%)	252 (31.5%)	164 (20.5%)	225 (28.1%)
Tobacco	159 (19.9%)	220 (27.5%)	161 (20.1%)	260 (32.5%)
Spirit	109 (13.6%)	177 (22.1%)	139 (7.4%)	375 (46.9%)
Others(specify)	-	-	-	-

Table 13 reveals students response in relation to peer influence on drug use and types of drug. Majority of the respondents agreed that (always or occasionally) friends encourage them to take: Coffee 535(66.9%); Alcohol 533 (66.7%); Cigarette 344 (57.1%); Marijuana (weed) 418 (52.2%) and Kola nut 411 (51.4%). Majority of the students seem to show disagreement (never or no response) to the taking of the following drug type: Cocaine 421 (52.6%), Tobacco 421 (56.2%) and Spirit 514 (54.3%).

Hypothesis

There is no significant relationship between university environment and drug abuse among the university students. The independent variable in this hypothesis is university environment while the dependent variable is drug abuse, Pearson product moment was used to analyse the data collected and presented in table 14.

Table 14. Pearson product moment correlation between university environment and drug abuse

Variable	N	Mean	SD	r-value	Sig.
University environment (x)	800	15.82	3.31	0.713	.000
Drug abuse (y)	800	18.04	4.55		

^{*}significant at 0.05 level; df = 798; critical r-value = 0.170

The result in table 14 reveals that the calculated r – value of 0.713* is greater than the critical r-value of 0.170 at .05 level of significance with 798 degree of freedom with this result, the null hypothesis which states that there is no significant relationship between university environment and drug abuse among the university students is rejected while the alternate hypothesis is upheld.

Discussion of Findings

Eight hundred students from four faculties and sixteen departments (four departments in each faculty) were randomly selected to participate in this study. Majority of the respondents are Christians followed by Muslim and African traditional religion respectively. Majority of the respondents were young people within the age group of 20-25 years which is in line with the findings of Nevadomsky (1985) and in contrast with findings from the study conducted by Otiena (2009) and Odejide (2000) which reported mean age of most respondents (drug abusers) to be about 18 years respectively.

The study also revealed that a higher proportion of respondents were male students and this suggests that the compulsive use of drugs is associated majorly with male gender which is in line with the study of Enakpoya (2009). The gender differences in drug abuse are said to have their foundation in the very first stage of drug involvement and the opportunity to use the drugs. If given the opportunity to use the drugs, male and female are equally likely to use them (Anthony et al., 1999).

The result of this study further reveals that 43.9% of the sample respondents have in one time taken drugs for reasons other than for medical purposes which is an upsurge as compared to the study conducted by Maithya (2009) which showed that 29.6% students reported drug use other than for medical purposes. Singh and Singh (1979) in their findings also showed that 7 out of 10 undergraduate students had used drugs in the past [the commonest was alcohol (58%)].

Coffee and alcohol were the most commonly abused drugs (36.8%) and (29.6%) respectively, this is however consistent with finding from advisory council on the misuse of drugs (2006) that says alcohol is the most popular drug misused by young people. Only very few respondents abuse cocaine (6.5%), this is similar to the finding by Adelekan (1999) who showed that the consumption of cocaine amongst youths in rural area was quite low.

The study explained that majority of respondents did not respond to this question, but 77.08% of respondents who responded to the item have been taking drug for less than four years. This is in line with the study conducted by the National Survey on Drug Use and Health (Andrews et al., 2001) which revealed that more than half of the students in the U.S tried an illegal drug before they graduated from high school.

Majority of the respondents agreed that students take drugs as a result of poor teacher/parental upbringing and also the influence of peer pressure, this correlates with studies conducted by Maithya (2009) and Kiiru (2004) which showed that some students take drugs as a result of poor teacher/parental role modelling and influence of peer pressure respectively.

Lastly, result also revealed that the null hypothesis which states that there is no significant relationship between university environment and drug abuse amongst university students in Anambra is rejected while the alternate hypothesis is upheld. This implies that, there is significant relationship between university environment and drug abuse amongst the university students especially those residents in the school hostels.

Conclusions

The study shows that an average number of students (43.9%) in Anambra state university were exposed to drugs. Alcohol and coffee were the most commonly abused drugs and the least was cocaine. There is an increasing trend in Nigeria and other developing countries. Also students have difficulties stopping habitual use of alcohol. Most students abuse drugs as a result of poor teacher/parental upbringing and also the influence of peer pressure. There is need for early intervention that targets tertiary school students. More students should be made to develop drug abuse prevention strategies that target students at high risk. Appropriate intervention, health education efforts, support and referral system should be established in tertiary institution to help curb this habit and counseling programmes be incorporated into the Universities health care system (Kiiru, 2004).

Recommendations

The following recommendations were made on the basis of the findings of this study:

Preventive health education should be intensified in schools and media to raise students' awareness of risks of drug abuse. Media should be used to address drug abuse because of its great influence on the youths.

Any education programme aimed at addressing drug abuse among students should therefore be wholistic and address both the risk and protective factors. The aim should be to strengthen the protective factors where potential buffers include strong family bonding, positive role models, school commitment and strong belief in one's own efficacy. Parents require information on how to be good role models and the right values by family members

- 3. Benefits of healthy lifestyle choices and development of skills needed in making informed and responsible decisions to resist drug abuse among students should be emphasized.
- 4. The government should enforce laws to regulate the production and consumption of the local breweries which seem to be the bases where students learn the behaviour of alcohol abuse.

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