New trend of drugs abused by secondary school students in Nigeria

Ochuko E Nabofa

Department of Human Kinetics, Recreation and Sports Science Education, Delta State University, Abraka, Nigeria.

Email: oenabofa@delsu.edu.ng, ochukonabofa@gmail.com

Abstract

Background: It appears that there is a new trend in the types of drugs abused by secondary school students in Nigeria that makes it difficult to identify current drug abusers.

Objectives: This study was conducted to reveal the trends with regards to the types of drugs abused by these students in the country.

Methods: This is an online and desktop review of published articles about the types of drugs abused by secondary school students during the period that spanned from 2010–2020.

Results: In all, 17 research reports were identified as having data on the types of drugs abused by secondary students in the Nigeria. It was found that 18 different drugs were empirically identified as being abused by secondary school students in 9 different states of Nigeria. The observed trend is that alcohol, cannabis, tobacco and cigarettes are the most abused drugs, while drugs that were least abused were cocaine, caffeine, glue, heroine, energy drinks, miraa, rohypnol and tramadol.

Conclusion: It was concluded that studies of drug abuse by secondary school students in Nigeria are not yet robust enough to reveal the types of drugs that are currently being abused.

Keywords: Adolescent Health, Drug Abuse, Drug Effects, Drug Safety, Drug Utilisation.

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Introduction

Drug abuse is described as the non-adaptive model of drug use with concomitant adverse health consequences that usually produce cognitive, behavioural, and psychological dysfunction problems among abusers¹. Drug abuse negatively affects all the dimensions of health by distorting the proper functioning of the body and mind. Drug abuse is not a new phenomenon but one that is growing at an alarming rate, which nearly every country in the world, including Nigeria, have to tackle². As shown in the United Nations' World Drug Report³, nearly one out of every 20 adults in the world, who are between the ages of 15 and 64 years, were confirmed drug abusers in 2014 resulting in over 29 million people worldwide suffering from drug abuse disorders.

Corresponding author:

Ochuko E. Nabofa, Department of Human Kinetics, Recreation and Sports ScienceEducation, Delta State University, Abraka, Nigeria. Phone: +2348036687464 Email: oenabofa@delsu.edu.ng, ochukonabofa@gmail.com The onset of drug abuse has been shown to begin during adolescence¹. Transition from childhood to adolescence represents a delicate period during which initiating drug abuse may occur². Drug abuse is forming a student sub-culture in Nigeria that can be devastating and can bring a lot of adverse effects on the national community⁴. Sloboda⁵ submitted that drug abuse is a global problem that is impacting not only individual lives but also whole communities. It is therefore necessary to study specific aspects of the problem, especially which drugs are being used and by whom, in the attempts to contain the problem. Therefore, establishing the types of drugs that are currently being abused by secondary school students would greatly assist intervention plans towards reducing the burden of drug abuse and prevention of adverse effects. It is because, drug abuse begins mostly during the adolescent years when people are still of secondary school age6. This review study was therefore conducted to reveal the current trends regarding the types of drugs abused by secondary school students in the Nigeria.

Methodology

This is an online and desktop literature review research

Health Sciences

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that focused on studies conducted to elicit the types of drugs abused by secondary school students in Nigeria. Every article related to types of drugs abused among secondary school students, which were conducted in Nigeria and published in domestic and international journals in the past ten (10) years, were investigated. The published research articles studied were obtained from academic/professional association journals and research periodicals, including Journal of Nigeria Association Health Educators (JNHE), Journal of Health Promotion Research Association of Nigeria (JHEPRAN) and Journal of the Nigeria Association of Physical and Health Education, Recreation Sports and Dance (JNAPHER.SD).

The keywords used in the search included 'types of drugs abused' and 'secondary school students'. The studies included must have measured drug abuse and elicited samples from only students in secondary school and have been published between January 2010 and March 2020. Out of the total of 20 articles retrieved and reviewed, three (3) were excluded because they did not contain data with regards to the types of drugs abused by secondary school students. A total of 17 papers were identified as having data on the types of drugs abused by secondary students in the country and so were used in this review. Four (4) of the 17 papers are articles that reviewed the types of drugs abused secondary school students in the country, while the remaining 12 articles reported data collected with regards to the types of drugs abused by secondary school students in Nigeria.

One study on 'Counselling Strategies for the Prevention and Control of Drug Addiction in Enugu State'7 was excluded in this research. Although, the paper had a list of drugs commonly abused by secondary school students, it did not report any data to show that these were the types of drugs being currently abused by the students. The research on pattern of psychoactive substance use in the northern region of Nigeria⁸ had data on the types of drugs abused. It was, however, excluded from this study because the data collected were not from Secondary School students but from inmates of Kiru Rehabilitation Centre, Kano in the North Central Region of Nigeria. There was a study that reviewed the public health impact of substance use on adolescents in Yenagoa of Bayelsa State, Nigeria9. Although this article attempted to address the current trends and research related to the public health impact of substance

use on adolescents in Yenagoa, it did not bring up any data on the types of drugs abused by secondary school students in Nigeria. This study was therefore excluded from this research. The research by Erumi¹⁰ was included in this study because the age group from which she got her data in Warri metropolis (15 - 30 years) can be found among secondary school students. Although, the study on 'Curbing the Menace of Drug Use among Secondary School Students in Nigeria'2 did not collect any data, it was included in this study because it pointed at data collected by other researchers.

Results

In 2010, one study¹¹ found caffeine, analgesics, antimalaria, antibiotics, hypnosedatives, alcohol, tobacco, glues/organic solvents, cannabis, heroin, cocaine as the drugs abused.

In 2011 one study, the review by Pike¹² stated that cocaine was identified by Nigeria Drug Law Enforcement Agency (NDLEA) Report as one of the drugs abused. In 2012, the under-listed three studies identified the indicated drugs as abused by secondary school students in Nigeria.

1. Nwagu's¹³ survey of the types of drugs commonly abused by secondary school students in government secondary schools in Igboetiti Local Government Area of Enugu State, identified Beer, Palm wine, Indian hemp and Glue as the drugs abused.

2. Ekpenyong¹⁴, in his survey of drug abuse in selected secondary institutions in Bayelsa State, South-South Nigeria, identified alcohol, cigarettes, miraa and bhang as the abused drugs abused.

3. Fareo¹⁵, in her review of the National Agency for Food and Drug Administration and Control (NAF-DAC) Reports, found that the following classes of drugs were being abused:

a. Stimulants;

b. Hallucinogens;

c. Narcotics;

- d. Sedatives;
- e. Tranquilizers; and

f. Miscellaneous substances, such as glues, spot removers, tube repair, perfumes and chemicals.

In 2013, one study¹⁶ found analgesics, cannabis, tobacco, alcohol and sedatives to be among the drugs abused by secondary school students in Nigeria. In 2014, one study¹⁷ in Lagos, found analgesics, cannabis, tobacco, alcohol and sedatives to be among the drugs abused by secondary school students in Nigeria. In 2015, the under-listed two studies identified the indicated drugs as abused by secondary school students in Nigeria. 1. Erumi¹⁰, in her empirical survey of the prevalence of non-medical drug use among adolescents and young adults in Warri metropolis, identified alcohol and energy drinks to be among the drugs abused.

2. Dumbili¹⁸, in his literature review research found alcohol as one of the substances abused.

In 2016, the under-listed three studies identified the indicated drugs as abused.

1. Obiechina and Isiguzo², in their literature review research, found that the following classes of drugs were being abused:

a. Nicotine, found in tar, cigars, cigarettes, tobacco and traditional snuff, is the mostly abused;

This study suggests, without any empirical evidence, that rohypnol, known as 'roofies' is generally abused by b. students of secondary and higher institutions in Nigeria;

c. Codeine syrup, which is usually mixed with soft drinks or garri soaked in water;

d. Stimulants such as caffeine, cocaine, nicotine and amphetamine;

e. Narcotics such as heroin, opium, morphine, tramadol, cannabis also known as pot, marijuana, hashish and bhang;

f. Depressants such as alcohol, barbiturates, tranquilizers and rohypnol;

g. Hallucinogens such as Lysergic acid diethylamide (LSD);

h. Inhalants, among which are volatile organic solvents (derived from industrial or household solvent products like paint, thinners, dry cleaning fluid spray lubricants, gasoline, kerosene, nail polish or remover, furniture polish and wax, fuel, gases, nitrites and anesthetic gases (chloroform, nitrous oxide and ether), commercial solvents like gasoline, kerosene, glue, and typewriter correction fluid among others) and household or commercial gasses and propellants like butane lighters, propane, hair and deodorant sprays, room deodorizer sprays, refrigerants sprays, ether, chloroform and halothane; and i. Aphrodisiacs.

2. Anyanwu, Ibekwe and Ojinnaka¹⁹ in their cross-sectional survey that employed the WHO Student Drug Use Questionnaire to study the pattern of substance abuse among adolescent secondary school students in Abakaliki found alcohol, Kolanut, Coffee, Cigarettes, Cannabis and Cocaine to be some of the drugs abused. 3. Manyike, Chinawa, Chinawa, Obu, Nwokocha and Odetunde²⁰, in their cross-sectional survey that utilised the WHO Student Drug Use Questionnaire to study the correlates of psycho-active substance use among boarding secondary school adolescents in Enugu, South East Nigeria, identified Kolanut, Alcohol, Coffee, Tobacco, Tranquillizers and Cannabis to be among the drugs abused.

In 2017, one study²¹ found alcohol and hot drinks, tobacco, Indian hemp or marijuana to be among the drugs abused.

In 2018, the under-listed two studies identified the indicated drugs as abused by secondary school students in Nigeria.

1. Idowu, Aremu, Olumide and Ogunlaja²², in their study, identified caffeine, cigarettes, cocaine, tramadol, heroin and cannabis to be among the drugs abused.

2. Amadi and Akpelu²³, in their descriptive survey, identified alcohol, hot drinks, tobacco, Indian hemp, marijuana to be among the drugs abused.

In 2019, one study²⁴ discovered that Cigarettes, Marijuana, Alcoholic beverages, Cocaine were among the drugs abused.

In 2020, one study⁶, a cross-sectional survey of factors associated with psychoactive substance use among inschool adolescents in Zaria Local Government Area, Kaduna State, Nigeria, discovered kolanut, sedatives, alcohol and tobacco to be among the drugs abused.

Year of	Abused Drugs	State				
Publication						
2010	Caffeine, Analgesics, Antimalaria, Antibiotics,					
	Hypnosedatives, Alcohol, Tobacco, Glues/Organic Solvents,					
	Cannabis, Heroin, Cocaine					
2011	Nil	Nil				
2012	Alcohol, Cigarettes, Miraa, Bhang	Bayelsa				
	Alcohol, Indian hemp, Glue	Enugu				
2013	Alcohol, Analgesics, Cannabis, Sedatives, Tobacco	Osun				
2014	Alcohol, Analgesics, Cannabis, Sedatives, Tobacco	Lagos				
2015	Alcohol, Energy drinks	Delta				
2016	Alcohol, Cannabis, Cigarettes, Cocaine, Coffee, Kolanut	Ebonyi				
	Alcohol, Cannabis, Coffee, Kolanut, Tobacco, Tranquillizers	Enugu				
2017	Alcohol and hot drinks, Indian hemp or marijuana, Tobacco	Rivers				
2018	Caffeine, Cannabis, Cigarettes, Cocaine, Heroin, Tramadol	Oyo				
	Alcohol and hot drinks, Indian hemp or Marijuana, Tobacco	Rivers				
2019	Alcoholic beverages, Cigarettes, Cocaine, Marijuana	Bayelsa				
2020	Alcohol, Kolanut, Sedatives, Tobacco	Kaduna				

Table 1: Drugs Abused according to State of Study and Year of Publication

Table 1 show that 16 different types of drugs were em-

pirically identified as being abused by secondary school students studied in 9 of the 36 states in Nigeria.

Table 2: Trend of Drugs Empirically Identified as Abused according to Year of Publication

Drug		Frequ Year	iency o	of Emp	irical S	Studies	that I	dentifie	ed the	Abused	l Drug in the
	2010	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Alcoholic	1	2	1	1	1	2	1	1	1	1	12
beverages											
Bhang	1	2	1	1	0	2	1	1	1	0	10
/Cannabis/											
Indian hemp											
or Marijuana											
Tobacco	1	0	1	1	0	1	1	1	0	1	7
Cigarettes	0	1	0	0	0	1	0	1	1	0	4
Cocaine	1	0	0	0	0	1	0	1	1	0	4
Sedatives	1	0	1	1	0	0	0	0	0	1	4
Kolanut	0	0	0	0	0	2	0	0	0	1	3
Analgesics	1	0	1	1	0	0	0	0	0	0	3
Coffee	0	0	0	0	0	2	0	0	0	0	2
Caffeine	1	0	0	0	0	0	0	1	0	0	2
Glue	1	1	0	0	0	0	0	0	0	0	2
Heroin	1	0	0	0	0	0	0	1	0	0	2
Energy drinks	0	0	0	0	1	0	0	0	0	0	1
Miraa	0	1	0	0	0	0	0	0	0	0	1
Tramadol	0	0	0	0	0	0	0	1	0	0	1
Tranquillizers	0	0	0	0	0	1	0	0	0	0	1
Antimalaria	1	0	0	0	0	0	0	0	0	0	1
Antibiotics	1	0	0	0	0	0	0	0	0	0	1

Table 2 shows the trend of the types of drug abused by secondary school students in Nigeria. The table shows alcohol and alcoholic beverages were the most researched drug that could be abused by secondary school students.

Discussion

It is discernible from Table 1 that drugs were being abused by secondary school students studied in 9 of the 36 states in Nigeria. The implication of this finding is that only nine (9) out of the 36 states of the Federal Republic of Nigeria had incidence of drug abuse among secondary school students in the last ten (10) years. This finding appears to contradict previous researchers' claims that adolescents all over the country are abusers of drugs²⁵⁻²⁸. Oshodin²⁹ had, earlier on, revealed that 85% of secondary school teenagers in Benin City were then current abusers of alcoholic beverages. About ten years later, Oshodin³⁰ found out that adolescents, who are mostly secondary school students, initiate alcohol abuse duringeligious and ceremonial functions such as marriage ceremonies where they function as servers and tasters of alcoholic drinks. This cultural practice has not changed in Edo State, yet the state is not among the states where drug abuse was found among secondary school students in the literature in the past ten years. The finding that only nine (9) out of the 36 states of the Federal Republic of Nigeria had incidence of drug abuse among secondary school students in the last ten (10) years can, therefore, be interpreted to mean that the phenomenon of drug abuse by secondary school students in Nigeria is no longer being given the due attention it deserves by Public Health and Health Education researchers in Nigeria.

Table 2 shows that there are 18 different drugs that were empirically identified as being currently abused by secondary school students in Nigeria. There is a trend shown on the table that alcohol and alcoholic beverages appear to be the most abused drug in that it was reported by twelve (12) different researchers every one of the years under study. Alcohol was followed, in the trend of drugs abused, by Bhang /Cannabis/ Indian hemp or Marijuana. Indian hemp was found to have been abused every one of the years under review except one year, 2015, when no study reported that it was abused. The next most abused drug, tobacco, was found to have been abused by seven (7) different studies in six (6) out of the ten (10) years under study. Tobacco is followed by cigarettes, cocaine, and sedatives which were each found to have been abused by four (4) different studies in five (5) different years. The table also shows that kolanuts and analgesics were each found by three (3) different studies to have been abused in three (3) different years. Coffee, caffeine, glue and heroine were found to have been abused by two (2) different studies in two (2) different years. The least abused drugs were energy drinks, miraa, tramadol, tranquillizers, antimalarial and antibiotics, which were found to have been abused by only two (2) studies in two (2) of the ten (10) years under study.

This observed trend appears not to be telling the true story of the types of drugs being abused by secondary school students in modern day Nigeria. There are indications that students of secondary schools are abusing rohypnol and codeine syrup, which they usually mix with soft drink or garri soaked in water². Cocaine has been observed to be a trending drug of abuse among

adolescents in secondary school¹⁹. The need show off one's class of status in society has been advanced to be among the probable reasons why cocaine, tramadol and heroin are now trending as drugs of abuse among secondary school students in Oyo-State, South-West Nigeria²². Encomium Magazine³¹ had opined that secondary school students in Nigeria are shifting, in their types of abused drugs, towards such drugs as codeine linctus/ syrup, tramadol and so on that can easily be obtained over the counter at big and small medicine stores. Some of the studies reviewed adopted the WHO Student Drug Use Questionnaire. The drugs, codeine syrups/ linctus, miraa, cocaine, tramadol and heroin, rohypnol or roofies, considered to be the trending drugs of abuse among secondary school students in Nigeria are not listed in the WHO Student Drug Use Questionnaire. The observed trend that alcohol, cannabis, tobacco and cigarettes are the most abused drugs while cocaine, sedatives, kolanuts, analgesics, coffee, caffeine, glue, heroine energy drinks, miraa, tramadol, tranquillizers, antimalarial and antibiotics were the least types of drugs being abused by secondary school students in modern day Nigeria can thus be understandable. Adopting the WHO Student Drug Use Questionnaire as an instrument of studying drug abuse among secondary without modifying it to suit the Nigerian context is bound to yield faulty results. After all, newer drugs that were being abused by high school students in Iran were discovered because the WHO Student Drug Use Questionnaire was adapted to suit the local societal environment in Iran. Also, conspicuously missing from the reviewed literature is the fact there was no nationwide study data to establish the actual trend of drug abuse among secondary students in the country, Nigeria.

Conclusion

Drug abuse among secondary school students in Nigeria is a public health problem that has not been well researched. Efforts being directed at preventing the ugly situation can only be meaningful if well researched national data on drug abuse among secondary school students in Nigeria are made available.

Recommendations

1. It is necessary to conduct a nationwide study that will provide data on drug abuse among secondary school students in every state of Nigeria. In this manner, the types and peculiarities of drugs being abused by secondary school students in the country will be known according to each state.

2. The standardized instrument, WHO Student Drug

Use Questionnaire, could be used for the nationwide study that is being recommended. The WHO Student Drug Use Questionnaire should, however, be modified to include those newer drugs of abuse, which are being suggested by opinion leaders and magazines.

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Conflict of interest

None declared.

References

1. Nahvizadeh MM, Akhavan S, Arti S, Qaraat L, Geramian N, Farajzadegan Z, et al. A Review Study of Substance Abuse Status in High School Students, Isfahan, Iran. *International Journal of Preventive Medicine*, 2014; 5(Suppl 2): S77 – S82.

2. Obiechina GO, Isiguzo BC. Curbing the Menace of Drug Use among Secondary School Students in Nigeria. *European Journal of Research and Reflection in Educational Sciences*, 2016; 4(1): 2056 – 5852.

3. United Nations' World Drug Report (2018). United Nations publication, Sales No. E.18.XI.9

4. Ajibulu E. Eradicating drug abuse in Nigeria; How feasible? http://www.modernghana.com/ news/337520/1/eradicating-drug-abuse-in-nigeriahow-feasible.html 30/06/2011. Accessed 29th August, 2020.

5. Sloboda Z. Drug abuse epidemiology: an overview. Bulletin on Narcotics, 2002; LIV (1&2).

6. Adesina BO, Adebayo MA, Iken OF. Factors Associated with Psychoactive Substance Use among In-School Adolescents in Zaria Local Government Area, Kaduna State, Nigeria: A Cross-Sectional Study. *International Journal of School Health*, 2020; 7(1):14 – 22.

7. Egbo AC. Counselling Strategies for the Prevention and Control of Drug Addiction in Enugu State. *Nigerian Journal of Health Educators*, 2012; 16 (1): 303 – 312.

8. Abasiubong F, Udobang JA, Idung AU, Udoh SB, Jombo HE. Pattern of Psychoactive substance use in the northern region of Nigeria. *African Journal of Drug* & Alcohol Studies, 2014; 13(2): 107 – 115.

9. Raimi MO, Abdulraheem AF, Major I, Ebikapaye O, Bilewu OO. Public Health Impact of Substance Use on Adolescent: A Snapshot of Yenagoa in Bayelsa State, Nigeria. *American Journal of Biomedical Science & Research.* 2019; 4(3).https://ssrn.com/abstract=3429577 DOI http://dx.doi.org/10.2139/ssrn.3429577 Erumi BSU. Prevalence of Non-Medical Drug Use among Adolescents and Young Adults in Warri Metropolis. *Nigerian School Health Journal*, 2015; 27(2): 152 – 159.
Oshodi O, Aina O, Onajole A. Substance use among secondary school students in an urban setting in Nigeria: Prevalence and associated factors. *African Journal of Psychiatry*, 2010; 13: 52-57.

12. Pike J. National drug law enforcement agency. Global security, 2011. www.globalsecurity.org/org/ staff/pike.htm Accessed 12th November, 2012

13. Nwagu E. Students' Perception of Adolescents' Drug Use: Implication for Social Health Promotion. *Nigerian Journal of Health Promotion*, 2012; 5: 134 – 145.

14. Ekpenyong NS. Drug Abuse in Nigerian Schools: A Study of Selected Secondary Institutions in Bayelsa State, South-South, Nigeria. *International Journal of Scientific Research in Education*, 2012; 5(3): 260-268.

15. Fareo DO. Drug Abuse among Nigerian Adolescents Strategies for Counselling. *The Journal of International Social Research*, 2012; 5 (20): 1307 – 9581.

16. Atoyebi OA, Atoyebi OE. Pattern of Substance Abuse among Senior Secondary School Students in a Southwestern Nigerian City. *International Review of Social Sciences and Humanities*, 2013; 4 (2): 54 – 65.

17. Ani G. Prevalence of Substance Abuse among Senior Secondary Students in Mainland Local Government, Lagos. *Global Journal of Medicine and Public Health*, 2014; 3(6).

18. Dumbili EW. A Review of Substance Use among Secondary School Students in Nigeria: Implications for Policies. Drugs: Education, Prevention and Policy, 2015; 22 (5): 387-399.

19. Anyanwu OU, Ibekwe RC, Ojinnaka NC. Pattern of substance abuse among adolescent secondary school students in Abakaliki. *Cogent Medicine*, 2016; 3:1, 1272160. https://doi.org/10.1080/2331205X.2016.1272160 Accessed May 25, 2020.

20. Manyike PC, Chinawa JM, Chinawa AT, Obu HA, Nwokocha ARC, Odetunde OI. Correlates for psycho-active substance use among boarding secondary school adolescents in Enugu, South East, Nigeria. *BMC Paediatrics*, 2016;16:78.

21. Amadi EC, Akpelu GO. An Analysis of the Effects of Drug Abuse Among Secondary School Students in Emohua Local Government Area of Rivers State. International Journal of Innovative Psychology & Social Development, 2017; 5(4):43-48.

22. Idowu A, Aremu AO, Olumide A, Ogunlaja AO. Substance abuse among students in selected secondary schools of an urban community of Oyo-state, South West Nigeria: implication for policy action. *African Health Science*. 2018; 18(3): 776 – 785.

23. Amadi EC, Akpelu GO. Effects of Drug Abuse on the Academic Performance of Secondary School Students in Emohua Local Government Area of Rivers State. *International Journal of Innovative Healthcare Research*, 2018; 6(1):5 – 11.

24. Abdulraheem AF, Odubo TR, Raimi MO, Ebikapaye O, Moses T. A study of the context of adolescent substance use and patterns of use in Yenagoa Local Government, Bayelsa State, Nigeria. *Addiction Medicine and Therapy*, 2019; 6(1).

25. John MG. Facts about marijuana use articles. *British Medical Journal Publishing Group*, 7th July, 2008;10:13

26. Odejide OE. Drug abuse in Nigeria. Role of National Law Enforcement Agency. *Centre for Research and information on Substance Abuse*, 2009; 174-178.

27. Onohwosafe PS. Drug use among diploma students of Delta State University, Abraka. *Nigerian School Health Journal*, 2012; 2(2): 78-84.

28. Okudaye IN. Perceived cannabis abuse induced behaviour among youths in Niger Delta: Implication for drug education. *Nigerian School Health Journal*, 2018; 30(1): 113-120.

29. Oshodin O. Parental influences upon alcohol use by teenagers in Benin City, Nigeria. *The Journal of the Royal Society for the Promotion of Health*, 1984; 104: 106-107.

30. Oshodin OG. Nigeria. In B. D. Heath (Ed.), International handbook on alcohol and culture. 1st ed. pp. 213-223.Westport: Greenwood Press, 1995.

31. Encomium Magazine (2013). Drug Abuse is now Prevalent more than ever among Nigerian Youth. *Nigerian authentic celebrity Journal*. Retrieved September 23, 2013.