# INFLUENCE OF INTERNET USE ON SEXUAL BEHAVIOUR OF YOUNG PEOPLE IN IBADAN NORTH LOCAL GOVERNMENT AREA OYO STATE, NIGERIA

BY

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A DISSERTATION SUBMITTED TO THE DEPARTMENT OF
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#### DEDICATION

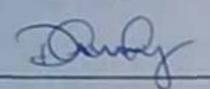
My dedication goes to the Almighty God, the source of my strength and giver of life for HIS grace to the successful completion of this work.

To my supportive parents, my family, my lovely son Raymond-Temple and daughter Chiamaka, my uncle Brig Gen BEN and my siblings

To all that supported me towards successful completion of this work

#### CERTIFICATION

I certify that this study was carried out by OGBU Heyinwa Arinze in the Department of Health Promotion and Education, Facility of Public Health College of Medicine. University of Ibadan, Nigeria



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#### ABSTRACT

The proportion of young people exposed to pornographic neaterials through the intented in Nigeria is increasing. However, the influence of the exposure on their sexual hehaviour has not been fully explored. This study was conducted to determine the effects of internet use on the extual behaviour of young people in Ibadan North Local Government Area.

The study was a descriptive cross-sectional survey. A three-stage simple tandom sampling technique was used to select 413 young people aged 10-24 years that had ever used internet. A validated self-administered questionnaire was used to other information on socio-demographic characteristics, internet use and sexual practices. Data were analysed using descriptive statistics, Chi-square and logistic regression at p-0.05.

Respondents' mean age of males was 21.7 years (SD = 3.4) while that for females was 20.9 years (SD = 3.2). More males (70.5%) used the internet. Forty-nine percent of the respondents between the ages of 15-19 years used the internet for the first time. The main source of information about the internet was friends (63.3%) Most respondents (99.3%) (Males 70.5%; females 28 590) accessed the internet from Cybercale and 72 6% from their schools. Thirty percent of respondents used the internet daily. Activities engaged in while on the internet included sending and receiving mails (55 0%) and online chatting (34 1%). Seventy-seven percent had ever used instant increasinger and of these 48.4% chatted with persons of opposite sex lifty-two percent of respondents who ever chatted online discussed relationship. Fifteen percent of repondents admitted intentional exposure to pornography sites. Seventy two percent had ever sumbled on purpographic stes on the internet and their reactions to the scenes observed include the closure of the sites (females, 57.5%, males, 38.7%), glancing through before claims (semiles, 301 is, miles, 46 7%) and minimizing page to view later (semales, 12.3 males, 13.6%) listy-two percent of respondents never discussed permotemphic scenes viewed with anybody, 32.6% discussed with some sex while 9.6% shared the experiences with the opposite sex. Thirty-seven percent of ampondents reported negative changes in their sexual behaviour after exposure to pomographic sites. Respondents' reactions after accessing pornographic sites was a desire to know more about sexual activities (45.0%), percent of daily internet users who had ever watched pornography sites had practiced what was viewed. Males were more likely than females to report a change in sexual behaviour after exposure to pornographic sites (95% Cl OR =1.245-6465) and frequent internet users more likely than less frequent users to report a change in sexual behaviour (95% Cl OR =1.168-3.497).

Internet use was common among the young people and many of them stumbled on pornography sites which influenced their sexual behaviour. Interventions designed to reduce exposure to sexual content should focus more on males and frequent internet users especially at the Cybercafes

Keywards: Internet use. Young people. Parmographic sites, Sexual beliaviour

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OGBI Heyinwa Arinze

## TABLE OF CONTENTS

lule page	
Dedication	
Certification.	
Abstract	iv-v
Acknowledgement	
Table of Contents.	
I ist of tables	X
list of figures	
List of Appendices	
Acronyms	xiii
CHAPTER ONE INTRODUCTION	
Background of the study	1-3
Problem statement	3-4
Justification of study	5-6
Research Questions	
Objectives of tudy	
Hypotheses of Study	7
CHAPTER TWO LITERATURE REVIEW	
Your people and Internet	
Prevalence of Internet usage	
internet activities	13-16
Pornography	16-17
Unwanted and wanted Internet pernography exposure	17-21
Pactors effecting exposure	34 77
Sexual behavior	26-27 27-34
Influence of exposure on nexual behaviour.	£/-34
Conceptual framework	The state of the s

# CHAPTER THREE METHODOLOGY

Study design	
Study design	38
Description of study site	38-39
Study population	41
Sample size	41
Sampling procedure	
Instrument for data collection	
Validity and reliability	42-43
Training of research assistants	
Data collection, management and analysis	43-44
Limitation of study.	
Ethical considerations	
CHAPTER FOUR RESULT	
Socio demographic information	-16
Source of information about internet	48
frequency and duration of internet use	
Activities engaged in while on net	
Relationalup between online activities and respondent characteristics.	53
Rependent visit to purrography ute and their reaction	
Reported neutrice change in behaviour	59
Outcome of corregraphic exposure	
Association between exposure to purpose their and sexual practices	65
Activities related to on line charting	67
CHAPTERFIVE DISCUSSION	
Socio-demography	67.70
Internet activities	
Factors effecting Internet exposure.	71 72
Internet pornography exposure and its outcome	
On line chatting activities	

Implications of findings for Health Promotion & Education	.74
Recommendation	75
Conclusion	
Reterence	77-89
Appendices	98-98

## LIST OF TABLES

Page	5
Table 3.1 Ibadan North I GA wards	
Table 3.2 Age distribution by sex	
Table 4 1 Internet use among respondents	
Table 4.2 Frequency and distribution internet use by respondents	
Table 4.3 Activities respondent engaged on while on net	
Table 4 4 Relationship between activity engaged on and respondents' characteristics54	
Table 4.5.1 requency distribution of respondents' stumble on pornography site &	
their attitude.	
Table 4 6 Logistic regression analysis of action taken by respondents (view versus close	
immediately) when they visit pornographic sites on variables	
Table 4.7 Frequency distribution of behaviour changes of respondents following liest	
exposure to pomographic sites	
Fable 4 8 Relationship between reported negative change in sexual behavior following	
exposure to paragraphy & respondents' characteristics 60	
Tuble 4.9 Lugistic regression analy is of reported change in sexual behavior on	
vanables 61	
1 ble 4 18 Relationship between practice of contents of pomographic site and	
testangent qemoriablic eparacteurie	
Table 4-11 Association between exposure to pomugraphy and sexual pretices 66	
Table 4-12 Practices and duration of activities related to online chatting by respondent 68	

# LIST OF FIGURES

11021	Pages
1 18 2 3	Basic concept of ecological model
Fig.3 t	Ecological model adopted
Fig. 1.7	Percentage distribution of level of education of respondents
Fin J 3	Respondent source of information about internet.
118 14 3	Outcome of respondents exposure to pomographic sites.

ΧĬ

## APPENDICES

Appendix 1	P:	ages
Appendix 11	P:	90
	TOTAL CONTROL OF A CAMPANA AND	
	11	tid Oc

#### LIST OF ACRONYMS

AIDS Acquired Immune Deficiency Syndrome

CACRC Crime against Children Research Centre

CDC Centers for Disease Control and Prevention

Cl'C Central Processing Complex

DOD Department of Defense

DSL Digital Subscriber Line

GAPP General Administration of Press and Publication

HIV Iluman immunedeficiency Virus

IBNLGA Ibadan North Local Government Area

NARIIS National HIV/AIDS and Reproductive Health survey

NCWG Nigeria Cybercrime Working Group

NIII National Institute of Health

NPC National Population Commission

SEWs Sexually Explicit Websites

SPSS Statistical Package for Social Sciences

STL Social Learning Theory

#### CHAPTER ONE

#### INTRODUCTION

#### 1.1 Background

Young people are defined as group of persons within the age range of 10 = 24 years. It is a critical period of human development often characterized by confusion mixed interpretation, exuberance and a penchant for experimentation, especially with drugs, alcohol, sex and truancy (Nnachi, 2003; Nwangwu, 2007). It is a period when information as regards correct and acceptable societal behaviours, laws and customs should be provided by parents, care givers and exemplary role models. However, with the advent of the "computer age", the internet has multiplied the means by which adolescents can access information on any subject matter. Young people typically grow more curious about sex as their own bodies sexually mature in early adolescence. The mass media can be a private and comfortable way to learn more about sex and sexual norms. Visually sexually explicit media (i.e., pornography and crotica) designed to arouse sexual feelings are increasingly available and may be more likely to serve as a source of sexual information and norms for young people (Roberts and Foehr, 2004).

The internet is the core of computer mediated communication. It is worldwide and connects millions of computer networks, providing an incred ble array of information young persons can access 15tranburger and Wilson, 2002) and because of its fluid capacities the internet has more up-to-date information than books. Foresa people throughout the world are increasingly using the internet, despite substantial variation in use in different countries around the world and in accioecumomic groups.

The key concern about the health of young people is the extent to which they have access to resources that promote their development. This is where information technology, such as the letternet, is expected to play a critical role as a source of valuable healthy information.

Unfortunately the Internet aided by technology-induced anonymity has popularized the sex husiness more than any other means of advertisement among teens (Sackson, 1996; Adedipe, 2000; Ndu, 2000; Nnacht, 2003)

Resources such as this that used to be solitude only to consenting adults are now freely available to anyone who has access to the Internet, underage, adolescents inclusive. According to Cheryl (2007) in his study the average age of a child in America when tirst exposed to Internet pomography was 11 years old, with the largest consumers of pomography heing the 12-to-17-year old group. He also found that almost 90 percent of 8 to 16-year olds had view pomography online while doing homework. Although empirical data about Internet pomography and its impact on the life of the teeming youth and children in Nigeria are not readily available, the fact that 32% of Internet users in Nigeria are children and teenagers of the age range 7-18 years is an important fact that is worthy of note. Fears are rife in some sectors about the possible negative consequences obnoxious and uncensored Internet contents will have on the psychosocial well-being of varying categories of users and, especially children and teens in Nigeria (Longe, 2004).

Several studies have been done on the use of Internet in Africa including that of Ojedokun (2000) who studied use of the Internet by students of the University of Rotswana. His study revealed that 77% of the respondents had used Internet. Ajuwon (2003) studied Internet use by first year clinical and numing students of the University College Hospital in Ibodan, Nigeria and found that 60% of the respondents had used Internet. Odusanya and Ramgbala (2000) found that 58% of the medical and dental students in their final year at the University of Lagos. Nigeria whom they studied had used Internet. Given that so many adolescents are pending so much time on the Internet, it is important one is aware of the impact of its contents on adolescent behaviour, we'll-being, and development.

According to the prediction of social learning theory, teens exposed to certain unconventional behaviours can adopt and internalize such behaviours as conventional ones. Given the popularity of the Internet amongst young persons, some researchers have investigated the relationship between young person's involvement with ordine sexual activities (including

online chats, meeting partners, and looking for romantic and sexual relationships) and the development of their sexuality. Cooper et al. (1999) found that excessive usage (as measured by time spent in viewing sexually related activities online) was positively related to stress and sexual sensation seeking. Similar study conducted by Goodson et al., (2000) in Adebayo et al. (2005) among university students, found that participants attitude towards seeking sex information and sexual entertainment varied based on the frequency of their Internet usage. It is worthy of note that most countries in the world including Nigeria have a legal provision aimed at protecting young people from any form of exposure to pomography especially in cyber cases. In Nigeria, the Computer Security and Critical Information Infrustructure Protection bill 2005 worked out by the Nigeria Cyber Crime Working Group (NCWG) remains one of the most powerful legal tool for fighting cyber-crime in Nigeria. The objectives of the acts are to secure computer systems and networks and protect critical information infrastructure in Nigeria by prohibiting certain undesirable computer based activities and for matters connected therewith (NCWG, 2005).

Despite the rising level of Internet usage particularly among young people in Nigeria, few tudies have executived the effects that sites with explicit sexual content may have especially on the sexual inclination and behaviour of the adolescent. This study therefore aimed at determining the influence of Internet use on sexual behaviour of young persons in IBNLGA. This would serve an an essential step towards the design of intervention programmes to tackle risky extual behaviour practiced among young people as a result of exposure to Internet pornography. Therefore this study identified prevalence of Internet use activities adolescent engaged in other ordinary and above all determined the influence of Internet pornography exposure on young people's sexual behaviour.

#### 1.2 Problem statement

Young people years are a time for developing individual personalities, experimentation, and discovering new horizons. These are the years when a person wants to either fit in, or stand out from everyone else. Young people are discovering themselves, who they are, and what they want to be. Given the fact that young people spend so much of their hours listening to music, watching television, and surfing the net, they tend to become enveloped by what they are

seeing and hearing. The internet gives access to music, games, chat websites, dating websites, and sex related websites. Pomographic websites are the most prevalent, and hardest to avoid When using search engines, greater percent of teenagers reported coming across pomography while they were looking up other things (Wolak et al., 2006, Feming et al., 2006)

The growing popularity of Internet use in Nigeria has raised concerns in some quarters about the possible relationship among Nigerian teens with respect to Internet use, sexual orientation, and the spread of HIV (Emeozor, 2005; Ajakaje & Kanu, 2004). Studies have revealed that risky sexual behaviours among young persons in Nigeria are on the rise (Amazigo, 1998, Okanotua, 2001; Babalola, 2003; and Izugbara, 2004). National HIV/AIDS and Reproductive Health Survey (NARHS). Nigeria (2003) also revealed that STIs are most prevalent among young people aged 20-29 years in Nigeria. The rise of pomographic sites on the digitalized media has become a major global issue of concern in relation to the well-being of the young people. Carlsson's (2006) study on violence and pomography in the media stated that, "consumption of pomography is on the rise, due to the medialization of sexuality" as well as the expansion of new media technology. Although governments around the world are exerting their utmost effort to eradicate harmful and illegal media contents like pomography, which particularly threatens the well-being of the young people, more is yet to be done.

it vidence in the literatures has established in association of exposure to pomographic materials with sexual arousal and cognitive effects, especially changes in annudes and values (Michael 2009 and Dowell et al 2009). Yet, little is known about the impact of such use on young people. Cases can be made for both the benefit and harm of the internet, suggesting that research needs to be done to understand benefit and harm of the internet, suggesting that medium. Information about the influence of specific websites on young person's sexual behaviour would be extremely valuable to health providers, educators, and parents.

Hence, the availability and dissemination of pornographic materials and secretly viewing them combined with the vulnerable sexual nature of young people in relation to their exposure to sexually explicit material on internet; as well as the lack of studies as to how this phenomenon may influence young persons; are the problem that initiated this study to be undertaken.

Therefore, this study will provide explanatory results regarding how intented web exposure influences young people sexual behaviour.

#### 1.3. Justification

the role of Internet use among young persons in developing countries has not been adequately explored. Many studies focused on sexual behaviour of young people, the using wave of rape, other forms of sexual behaviour and violence against women. Few of the studies examined how exposure to pornography particularly on the Internet may influence young people's sexual behavior.

Online pornography is accessible, affordable and anonymous; and research has linked it to behaviours that can impact on physical and mental health especially in young people. Curiosity about the human body and sex is natural and this generation of young people is not the first to be intrigued by pornography. But a growing body of research that suggests that Internet makes pornography more accessible than ever before, as such there are concerns about how these influence sexual behaviour, especially when it's young people who are looking at it. This the study will address

Most respondent under studies in Africa and Nigeria on Internet use were adolescents. This study will not only look at the activities yours people engaged in while online but will also examine the influence of puringraphy exposure and sexual behavioural change among young people for proper health education intervention and health promotion

tions term effects. These include around homosexuality, abusive sexual attitude, premarial act, and other abusive behaviour (Apakaye and Kanu, 2004; Emerizor, 2005) However, others around that the way sex on media affects sound people may depend on age gentler, parental involvement perceptions of reality and masters for the media use (Wantella, 2000; Yat Hong et al. 2007). These characteristics are also in this study for elegent uncerstanding of the intermediate and actual behaviour among young people.

This study will contribute to origining research for a clearer understanding of increased frequent pomography exposure on sexual activity and its many assessmenters among young purple in

Nigeria. Notably, what is unknown is presumed to be dangerous. As such, this study on the influence of Internet exposure on sexual behaviour among young persons in Ibadan North local Government Area in Oyo State, attempt to provide the underlying mechanisms influencing the sexual behaviour of a young person.

## 1.4 Research Questions

- 1 What is the respondents' first age of Internet use?
- 2 How frequently do young people use Internet?
- 3 What activities do young people engage in when they go online?
- 4 llow often do young people get exposed to unwanted and wanted pornography website/explicit materials on Internet?
- 5. What are the immediate response and after action of young person as a result of internet pornography exposure?

## 1.5.1 Objectives of the study

#### Broad objective

The broad objective of this study was to determine the influence of Internet pomography on young persons' sexual behavious

## Specific objectives

The specific objectives of this tudy were to

- 1 Determine prevalence of Internet use among young persons in Ibadan North
- 2 identify the that yourse people engage in while on the intervet and respondents'
- 3. Assess the level of wanted and unwanted pernography exposure and, whom young personn's have exposure experience with
- 4. Describe young persons reported change in sexual behavior following exposure to pornography and respondents' characteristics
- 5. Highlight action taken by young persons on exposure to pornography materials.
- Examine change in sexual behaviour of young persons on exposure to pornography sites.

# Hypotheses of study:

- There is no association between Internet use and young persons' sexual behaviour
- 2. There is no association between sex of respondents and the risky behaviour.

#### CHAPTER TWO

#### LITERATURE REVIEW

The literature review is organized under the following sub - headings or sections

- Young persons and Internet
- it. Prevalence of Internet usage
- in Internet activities
- iv. Pomography
- u Unwanted and wanted internet pomography exposure
- VI Fuctors effecting exposure
- vii Sexual behavior
- van Influence of exposure on sexual behaviour
- ix The conceptual francwork

#### 2.1. Young persons and Internet

According to Centers for Disease Control (CDC), young persons are defined as those between 10 - 24 years. During the 3<sup>rd</sup> Africa Conference on Sexual Health and Rights lannehed in February 2008 with a youth summin at the International Conference Center, Abuja, the key discussion during the number was the definition of 'young people and youth'. Many youth delegates appead on clear cut-off are. Some define it as persons whose age bracket ranges between the end of etaidinood and the beginning or adulthood. Notably, not all young persons' mature at the same rate. Some 15 years old may be ready to assert themselves in textual relationship but others may still be diagusted by a kinning seems (Jane, Jeanne and Kim, 2002). Strektz (2005) revealed that the concept of childhood and adulthood do not necessarily refer to fixed points on a continuum as they are not physiological facts but social constructions."

According to Bonfadellie (1993) "Young people" is a very dynamic and unstable phase where the individual has to acquire the skills to fulfill adult roles, norms, search for new things, and develop an identity. It is a period of rapid physical and intellectual development and emotional intensity. Young people are curious and enthusiastic they do have the urge to try and explore new things. As a result of this, significant numbers of young people have become addicted to alcohol, smoking, chat, sexual abuse, dangerous medical drugs and narcotics drugs, all of which are injurious to health. This risky health behaviour is not different in other parts of the world.

exposure of online pomography on their development becomes a health issue of increasing importance. According to the Encyclopedia of computer science, multiple networks are the core technological feature of the Internet. Like almost every invention, internet is a gigantic but almost invisible universe that includes thousands of networks, millions of computers, billions of users across the world, multilayer communication protocols, various physical connection devices, and numerous application programs (Ralston, Reilly and Hemmindinger 2000)

Internet was invented by the U.S. Department of Defense (DOD) in 1969. The Internet has evulved from a communication conduit between scientists and engineers engaged in defense work to an information dissemination tool used to resist human rights abuses worldwide. Foday, Internet is a vast library covering any topic imaginable. In some respects, it's better than most libraries from the perspective of the adolescents. In terms of sexism, and sexuality, it appears that the Internet solves some social problems, while creating new ones and magnifying old ones. Internet has several tools for sending and receiving information and for communicating with other users. The main tools that cyber cafe visitors will use include World Wide Web, E-mail, Message boards. Listservs, Chait and instant messaging, to mention but a few.

The appearance of movies in the 1900s radio in the 1920, television in the 1940, and the internet in the 1990s was each met with ambivolence. For each emerging media technology,

proponents touted the educational benefits, while opponents voiced fears about exposure to mappropriate material, such as sexual or violent content. When the Internet was in its infancy, the only people with access to it were scientists working for the government or at universities. Today, the Internet, though itself only in its teenage years, is widely used by adolescent. Soon after its commercialization in 1993, the Internet and the World Wide Web gained prominence in producing, disseminating estoring, and presenting pornographic materials known as cyber porn or cybersex. Content analyses (Rimm, 1985; Michta and Plaza, 1997; Heider and Harp, 2000) have shown that pornographic materials posted and distributed on the Internet have been presented in an unprecedented and interactive dimension. Concerns over the excessive growth of Internet bortography have given rise to a moral panic (McMurdo, 1997). In addition, the risks associated with the Internet included the danger of adolescent being tricked into meeting people offline who turn out to be different from how they presented themselves on-line and the fact that they can be exposed to unsolicited pornography and sexual content (forskningstiversikt, 2005).

Given the proportion of the young persons in Nigeria, their well-being cannot but, be a matter of concern to all. One area of their well-being has to do with their sexuality. To enjoy the benefits of sexuality and avoid the negative consequences of risky sexual behaviour, young people must be protected through responsible sexual behaviour. A study conducted by Okpania & Okpania (2000) amongst female senior high school students in Nigeria showed that the mean age at first sex was 15 years of age. This shows that young peoples' risky sexual behavior is associated with a host of debilitating reproductive health linzards. For example, of the more than 300 million new cases of sexually transmitted infections (STIs) that occur in the world each year, about a third are in young people under 25 years of age (WHO, 2002). Again, the results of the HIV/AIDS Sentinel Survey, NARHS (2003) revealed that STIs are most prevalent among young people aged 20-29 in Nigeria. The survey also revealed that, in 1948 alone, 60% of the 20, 334 AIDS cases documented were among young people. Even though HIV prevalence in Nigeria as of 2005 recorded 4.4%, the foregoing statistics reveal that young people are the most affected by STIs and the HIV/AIDS epidemic in Nigeria. This aggest an argent need to address young people sexual behavior.

## 22 Prevalence of Internet usage

In the last two decades, Internet use by young persons has changed from an unusual to a common place activity. In a national survey conducted by Ybarra and Mitchell (2005) on the prevalence of pornography exposure on youths and teens, findings showed that about 90% or more teens between 12 and 18 years have access to the Internet. The Internet is just one technology young person use daily Nearly all young persons in the United States have gone on line and 74% have a home Internet connection, with 31% having high-speed access A nationally representative sample of 1100 adolescents found that 87% had used the Internet and 51% go online at least daily. Of those who use the Internet, up to 75% reported going online from home. Around half (47%) use a dial-up connection, reported high-speed cable modern (28%) and digital subscriber line (DSL) - enabled phone line (21%). The remaining 2% had a wireless connection. An average American teen now lives in a multimedia environment and the percentage of wireless connections will increase as handheld platforms become more popular. No longer will we think of home access, but rather personalized and constant access (Borzekowski 2006).

Similar study by Pew Internet and Life Project (2008) also revealed that nearly 75% of all US households have Internet access, and 93% of adolescents aged 12-17 years had gone online. On average, children and adolescents aged 9-17 years of age use the Internet 4 days per week and apend almost 2 hours online at a time. In a study on the prevalence of Internet use among South Korean teens, the study showed that some 97.3% of South Korean teens between the ages of 6 and 19 years used the Internet and about 69.6% of the subjects were trade, 60.5% were middle school sentors, and the rest (39.5%) were high school students (12.4% freshmentally juniors). One of four teens surveyed (24.9%) said they were of high economic status, 57.9% was of middle economic status, and 17.1% low economic status. Males were more likely to be Internet addicts than females, but the difference was not statistically significant. Among mate teens, 11.9% were Internet addicts, rates for females were 8.2%, respectively (Park, Kim and Cho. 2005). Similar study among Chiaese teens 12.4% ages (Cao and Su 2006) reported that the rate of Internet use was 88%, among which the incidence rate of Internet addiction was 2.4%.

this high prevalence is not different in Africa and Nigeria in particular. Although statistics vary from country to country and may include users who access the Internet at least several times a week to those who access it only once within a period of several months. According to Internet World Statistics (2009) in Africa, Internet users were 86.217.900. I 809.8% user growth (2009) and account for 4.8% users in the world. In 2000-2007, Nigerian Internet users were 10.000 and 10.000.000 respectively. By 2009, Internet users in Nigeria rose to 23.082.200 which account for 16.1% penetration rate, accounting for 27.8% population users and ranking 2 in Africa.

According to Ojedokun's (2000) study on use of the Internet by students of University of Bittin and 77% of the respondents had used Internet. Another study conducted by Johns Hopkin University and the University of Ghana among 15- to 18-year-olds living in Acera, Ghana who was either in school or out of school on their Internet usage and knowledge of health information showed that two thirds (66%) of the adolescent in school and 54% of the adolescent who were out of school had gone online previously. A similar study by Nwagwa (2007) to understand how in-school and out-of-school adolescent girls in Owerri, Nigeria use online resources to meet their reproductive health information needs showed that more than 73% of the girls had ever used the Internet, of which more than 74% and 68% of them heing in-school and out-of-school respectively. Forty-four percent of the in-school girls reported having home access and the out-of-school (5.6%), the out-of-school have used the Internet for finding reproductive and related information more than the in-school. This study also revealed that among the in-school, parents (66.22%) and teachers (56.15%) account for other source of health information, while friends (63.18%) and the Internet (55.19%) were two most used sources of information for out-of-school respondents.

Omorayo and Oluwasanmi's (2006) urvey on the use of the Internet among undergraduate tudent at the Ohnfenn Awolowo University, lle-life, Nigeria revealed a high percentage use of the Internet Furthermore Jagboro (2003) study on the use of the Internet shrived that in the majority of post raditate students, Internet canked fourth among the sources for information Other studies in Nigeria included Aluwon (2003) study on Internet use among first year clinical and nursing students of the University College Huspital in Ibadan. Nigeria, Study

found that 58% of medical and dental students in their final year at the University of Lagos. Niperia whom they studied had used Internet. In Inyang (2008) study on female secondary whool adolescents in Port Harcourt metropolis, revealed that 50.9% respondent have used internet. Those that browsed on daily hasts were 7.5% and those that hrowsed occasionally were 43.5% and study by Longe (2004) established that children and teenagers belonging to the are range 7-18 years constitute over 32% of Internet users in Nigeria.

#### 23 Internet activities

As rapidly as the Internet was adopted in the U.S. the delining characteristics of its use evolve at an even greater pace. Young persons' use of communications applications has undergone rapid change. For many years, e-mail has been, hands down, the most popular application on the Internet that keeps users of all ages coming back frequently. Private communication channels (e-mail and instant messaging) were more frequent than public cummunication (e.g., chat, message boards). Since Turkle's landmark case studies were published in 1996, new online communication technologies that facilitate communication with known others (e.g., buddy lists), coupled with the rapid growth in home Internet use, meaning that the Internet can now be, more than ever, a medium for both anonymous interaction with strangers and ecommunication with established, offline friends (Kraut et al., 2001; Borzekowski, Dina, 2006).

that 55% of online teens had visited a chat room. In a second survey conducted in 2001, vast materity (89%) of teen use e-trail and 57% use instant messaging (IM), which allow them to have multiple simultaneous conversations with a defined group of peers. Some of the e-trail appeals to these trends eiting young Internet users as growing number express a preference for instant messaging (IM). Similar study by Kaiser Family Foundation (2001) found that 71% of 15-17 year-old Internet users participate in chat rooms. Another important psychosocial distinction in Internet use is communication with close friends versus strangers. From a social and developmental perspective, there is a world of difference between the teenagers, who have home from school to exchange e-mail with the classinates she just bid goodbye for the day (Subrahrumyam et al., 2000).

Pew (2005) Center report on teens and technology found that about 75 percent of all online teens (about two-thirds of teenagets overall) used IM- and nearly 50 percent used it daily and in 2007. Pew Research Center Sudy showed that 89 percent of teens used the Internet at least once a week, with 6) percent saying they logged on every day. All that time spent online was not for doing homework. The Pew results showed that most of the time teens spent online was deveated to private communications — such as IM, email and chat. According to the Pew Internet & American Life Project. Generations Online in 2009, the percentage of American teens aged 12 to 17 online in 2008 had grown from 87% to 93%. The report also revealed that Yung people use social networking sites to keep track of their friends and to update their own accounts on the sites so others can stay informed, and to communicate with them. As for 1 yourste teen online activity, 78% reported game playing while 73% stated e-mailing which used to account for 89% Internet use is now replaced with IM, social networking and blogging.

\*\*Decording to Pew researchers\*\*

the surveyed students reported that they utilize the Internet more than once weekly, with about 44% reporting that they use the Internet on a daily basis. Additionally, online activities such as social networking and blogging are also increasing. Majority of respondent reponde that they use the Internet in the afternoon and about one quarter of these students utilize the Internet at night. It is also noted that adolescents tend to use the Internet for extended periods of time, with a total of 65% reporting Internet usage blocks of two hours or more and 35%, three hours or more. Studies also found that both girls and boys utilize the Internet for different reasons flow generally use the Internet for activities such as online gaming. Girls on the other hand, use the Internet for online charting. This is in line with general expectations, considering how boys generally love to play computer and video games, even when online while girls place more emphasis on keeping close touch with friends.

computer playing gain a alune or with others over the Web, chaiting in chat mains, instant messaging or just surling various site. The majority of their linemet activities such a hicking or dood work and since them may even engage in illegal internet activities such a hicking or copyright intringement furtherm are them to boy lend to more tigute parnography site, while

on young teens Popular withsit are MySpace Facebook. His, Bearshare. Live Journal, and Xianz that allow teens to easily communicate with friends, family, and millions of other Web users worldwide These websites allow teens to design personal Web pages that include their name (nickname), age/date of high, hometown/residency, schools, affiliated clubs organizations, marital status, interests, hobbies, up to 200 pictures, and the list continues. The information provided on these websites makes it very easy for child predators to become aware of a teen's whereabouts and to easily identify him or her in a crowd of people due to pictures and other personal information posted on their Web page. The Internet has many risks and teens need to know how to protect themselves.

lenhart et al. (2010) study revealed that 73% of American teens now use social networking websites a significant increase from previous surveys. Just over half of online teens (55%) use social networking sites in November 2006 and 65% did so in February 2008. As the young people social networking population increase, the popularity of some sites features also hafted. Compared with activity in February 2008, a smaller proportion of adolescents in mid-2009 were sending daily messages to friends via social networking sites, or sending bulletins, group messages or private messages on the sites. Forty-seven percent of online adolts use social networking sites, up from 37% in November 2008. Young adults net much like adolescents in their tendency to use these sites. Young persons are increasingly fragmenting their social networking experience us a majority of those who use social networking sites (52%) say they have two or more different profiles.

This is no different case in Nigeria although research has not been fully explored. However, the young Nigerians are said to be the major users of the ever changing ICT innovations in the country, adapting quickly to the Internet. Some of them use the web for information on current is use in health, education, politics, socio economic development, research for projects, sports, and for personal development as well as building skills. Lenhart (2005) in his study show that 26% to 75% of online adolescents report having sought health information on the Web. About one in five adolescent say that they have gone to the Internet to research a difficult health topic, such as drug use, sexual health, or depression. According to Gould, Munfikh, Luhell, et al. (2002), suntlar percentages of adolescent (18.2%) have sought help on the Internet for

problems with romantic partners, friends, and family. Regardless of these users' educational qualification, gender, age or ethnicity, 53% went online to find health information in fact, the internet was even a relatively more important source for out-of-school than for in-school teen, a finding with important social implications (Borzekowski, 2001). Young people said the listernet provided interesting material that helped them solve a problem or answer a question.

there we also also and non-judgmental nature of the internet makes it a valuable for young persons, who may not have an available health provider or responsible adult in their live to whom they can turn Recently, the technological environment is rapidly changing New communication technologies are often adopted by young people first, with social networking stee such as MySpace and Facebook salient examples. On the Internet, tremendous shift in patterns of use occur rapidly. This continuous evolution poses a tremendous challenge to patent health professionals, policymakers, and law enforcement By the time professionals fully understand the risks and benefits of one particular online environment, which environment may have changed so thoroughly that intervention and prevention strategies are unit as applicable as uriginally designed.

#### 2.4. Paringcophy

Purnography is defined as "sexually explicit media that primarily are intended to arouse the viewer sexually." Others have defined pornography as "the description of, or pictures of naked or nearly naked bodies in gential contact" (Tracen, Nilsen, and Sugum, 2006). Sexually explicit content ranges considerably from depictions of rather traditional heterosexual sexual behaviour to multiple sexual partners, coerciun, and nontraditional sex including bestiality. Young people have turned to sexually explicit materials to satisfy their curiosity about sexual bodies, how sex is performed, and to arouse themselves sexually. A few small studies of U.S indolescents exposure to sexually explicit magazines and movies in the 1980s found that even then exposure was almost universal by the end of high school. The average age of first exposure to pornography was 11 years for males and 12 for females; by 15 years old, most had also seen an X-rated film (Bryant & Brown, 1989).

Notably the Internet and other new media technologies such as digital cameras and cell phones have made sexually explicit materials more accessible to younger people than ever before. In the late 1990s, it was estimated that the online pomograph) industry was worth more than \$1 billion and that half of all spending on the Internet was related to sexual activity (Gniffiths.

The process of the pr

#### 25. Unwanted and wanted internet pornography explosure

"Exposure" here refers to both deliberate and accidental exposure to pornugraphy. The tenn pornography originates from two Greek words, porne, which means harlot, and graphent, which means to write. The combination of the two words was originally meant to describe, in literature, the sexual escapades of women deemed to be whores (Carter and Waver, 2003) cited in (Tefer, 2007). As times had passed, this definition of pornography has grown to include all obscene literature and pictures. Drawing on recent Australian research, the term pornography refers to interestals that are, or would be classified as X18+ rated (movies on DVD video film) or Category 1 and Category 2 Restricted (magazines, books and publications with differing levels of sexual explicitness) or that would be refused classification based on their sexual content under the National Classification Code (May 2005). As such, pernography includes sexual content ranging from mudity to explicit sexual activity und includes sexual content to large violence or sexual practices.

l'amography van a markedly in term of its content ranging from nudity in the sexually explicit and from non-violent to violent Rigorous quantification of how content varies across media type 1 difficult. Alth ugh much comen a likely to be imilar due to the presence of

materials. Online content is often unregulated and therefore can include sexual violence and other sexual content that is illegal in Australia, USA, and Nigeria and many other countries.

there is defined that many teen and young persons who use the Internet are exposed to phic website. In a national study of adolescent Internet users ages 10.17 years Fink thor Mitchell and Wolak (2000) found that one in four had viewed sexual material they did not want to see in the previous year. Another study found that almost one third of olescent in this age group with contiputers at home had seen a pornographic website, by seedent or on purpose (Kaiser Family Foundation, 2000).

The invasion of pornographic sites on the Internet is an issue of serious consequences. It has been extinated that over 10 million people a week visit pornographic websites in Nigeria alone (UN Strustics Division, 2005). The psychological effects of pornography cannot be overemplusized. An increase in sex crimes resulting from these activities is already noticeable in some advanced countries of the world. The prevalence of pornography online has made the Internet known as a "sexual medium" (Peter & Valkenburg, 2006). As of 2003, there were 1.3 million pornographic websites, 260 million pages. The total porn industry revenue for 2006 was \$13.3 hillion in the United States and \$97 hillion worldwide. The average age of first Internet exposure to pornography is 11 years old. As of 2007, the largest consumer of Internet potnography was the 12 - 17 year-old uges group (Internet filter review). According to London School of Leonomics (January 2002), 5 out of 10 young person aged between the ages of 8 and 16 have viewed pornography on the Internet in most cases unintentionally. Adolescent Internet Salety Survey U.S. Department of Justice (2001) lindings revealed that 1 in 5 adolescent aged 10 to 17 years old receive unwanted sexual solicitations online.

representative interview based survey with 1,501 teen aged 10 to 17 who use the Internet regularly. From the result of the survey, 25% teens reported having had at least unwanted one exposure to sexual picture in the year before the survey was conducted. Young people see sexually oriented and sexually explicit websites on a regular basis both on purpose and by

(Cameron et al., 2005).

Most individuals have experienced clicking on an image or term, only to be brought to a new website, including sites that one had no intention of visiting. This action can also lead to popup images featuring material describing everything from "hot young babes" to "low inortgage rates." Young people frequently see banner advertisements or receive e-mails with links to sexual websites, so it is not surprising that the curious adolescent might follow such links. While many adults are troubled that young people are exposed to such messages, they believe that they are not harmed by these sexually explicit websites. Young males report attitudes more positive toward pornography from an early age while young females usually have very negative attitudes toward pornography, but increasingly more positive attitudes cinerge with age (Wallmyr and Welin 2006; Carroll et al. 2008).

Although rates of deliberate consumption of Internet pomography among young people in International studies vary, (US survey, 8% of young people had visited pomography sites deliberately Mitchell et at 2003, UK 10% Livingstone and Buher 2004 and Australia relatively high 38% Flood 2007), studies have shown that deliberate consumption of pomography is highly gendered among adolescent as it is among adult. Males are more likely than females to use parnography. Males use it for sexual excitement and masturbation (Flood and Hamilton 2003, Cameron et al. 2005, Wallymr and Welin, 2006; Flood, 2007; Nsoko, 2007 and Sabina craft, 2008).

Studies across the globe have also revealed that greater percentage of young people had come in contact with online pornography, and most were viewed unintentionally (Kaiser Family Foundation 2001; Livingstone and Bober, 2004; Filaming et al., 2006). Similarly, a US survey on unwanted exposure to Internet pornography by Mitchelle in 2003 and 2007 showed that there was a rapid increase on the rate of unwanted exposure among young people. Not surprisingly, given the high rates of teen exposure, concern exists that adolescents are being flowled with unwanted and wanted, and possibly violent sexual information before they are developmentally capable of constructively dealing with it. This is a) detrimentally transform sexual attitudes and behaviours and ultimately sexuality and intimate relationships. Concerns

normal sexual development (e.g. elemeonurageining sexual activity) foster open sexual litestyles (acceptance of casual and extramarital sex, multiple partners, etc.) and 'unnatural practices (anal and oral sex, homosexuality) undernine physical emotional and psychological wellbeing (generate shame, guilt, anxiety, confusion, poor social bonds, and addictions) undermine relationships and foster sexual violence (Jensen and Okrina, 2004, Zillman, 2000)

A national survey of adolescent, ages 10 to 17 on Internet pomography indicated that 25% of them had unwanted exposure to sexual pictures on the Internet it the year preceding the study, challenging the prevalent assumption that the problem is primarily about young people motivated to actively seek out pomography. Most young people had no negotive reactions to their unwanted exposure, but one quarter said they were very or extremely upset (Mitchelle Finkelhor and Wolak-2003)

A telephone survey of a nationally representative sample of 1500 adolescents internet users aged 10 to 17 years was conducted between March and June 2005. Forty-two percent of adolescent Internet users had been exposed to online pomography in the past year. Of those, 66% reported only unwanted exposure. Multinomi allogistic regression analysis was used to compare adolescent with unwanted exposure only or any wanted exposure with those with no exposure Unwanted exposure was related to only internet activity, namely, using file sharing programs to download images. Filtering and blocking software reduced the risk of unwanted expansive as did attending an internet safety presentation by law enforcement personnel. nuwanted exposure rates were higher for teens, adolescent that reported being harassed or examply solicited online or interpersonally victimizedoffline, and those who seared in the borderline or chmically significant range on the Child Behavior Checkill subscale for depression. Wanted exposure rates were higher for teens, boys, and adolescents who used tile programs to download images, talked online to unknown persons about sex used the interner at friends home, or scored in the borderline or clinically significant range on the Child Uchovior Cheeklist subscule for rule-breaking Young people who used filtering and blocking software had lower odds of wanted exposure (Wolnk et al 2007)

In a US study, 31 per cent of children aged 10 to 17 with a computer at home had seen a pomographic web site, including 45 per cent of those aged 14 to 17 (Thomburgh & Lin 2002). In a UK-based national survey of 1.511 youth aged 9 to 19, more than half (57%) had come into contact with unline pomography, and most was viewed unintentionally (Livingslone & Bober 2004). Among 13- to 16-year olds in Australian schools, 93 per cent of males, and 62 per cent of females had seen pomography (Fleming et al. 2006). Based on retrospective reports among US university students, 93 per cent of males and 62 per cent of females had seen unline pomography before age 18, with a mean age of 14.3 for males and 14.8 for females (Sabina et al. 2008)

kaiser Faithily Foundation (2001) found that 59% of adolescents think that seeing interner purpouraphy encourages young people to have sex before they are ready, and approximately one-half believe that it encourages unprotected sex. In all, 70% of 15-17-year-olds have admitted to accidentally' stunibling across pornography online, almost one-half of these adolescents did not report being upset by what they saw (Rideout, 2001).

Hence concern arises because young people routinely underestimate the potential effects of the on themselves relative to others, many reporting when they were older that they had been ton young to see pornography when they did (Nightingale et al. 2001, Livingstone and Bober 2003.)

#### 2.6. Factors effecting exposure

There are many factors that influence the developmental characteristics of young persons. Man media, Internet, materialism, migration and/or urhanizmon may increase both the desire and opportunity for sexual activity, and many of these young persons' are compelled by peers to empage in sexual intercourse. However, there are potential benefits associated with the use of the Internet for educational shopping, and banking transactions, medical intervention; and communication in the form of e-mail instant messaging, and chatting Again, while the internet provides a wealth of pusitive information, there has been increased awareness of its potential dangers, especially to young people as Internet is increasingly becoming a monster in the context of sex. Young people have unlimited access to information on sex through porning on their e-mail or by insiderically clicking on a link to a pomographly site.

The proliferation of pornographic materials and their ease of access are such that it is not a matter of whether a young person will be exposed to pornography but when Exposure may be inadvertent (such as through unsolicited e-mail) or an accidental encounter with pornography online) or intentional. Concern exists that young people are being flooded with sexual information before they are developmentally capable of integrating it into a healthy sexual identity, with rainifications for both individual and society. Though pomography exposure is widespread, risks of it vary markedly with characteristic such as gender, age, race ethnicity, education, income geographic location, religion, etc.

Gender: Young person's exposure to pomography can be both inadvertent and intentional Moreover, there are many reasons for which intentional exposure occurs, and these reasons may vary by sex and age. Wallmyr and Welin (2006) found that 15- to 25-year-old males primarily viewed pornography to get aroused and masturbate (48.8%), out of curiosity (39.5%) or because it's cool' (28.5%). Although arousal and masturbation remained key uses irrespective of age, there was an increasing tendency to use it to facilitate sexual relationships and less likelihood for 'curiosity motivated' viewing with age. In contrast, similarly aged female, primarily viewed pomography out of curiosity (54.6%) and because it's cool' (19.1%). Studies also revealed that female use of pomography is more often relationship centered, they are more likely to watch pomography with their partner than with friends

While the media continue to report that gender difference in Internet use persist, studies have shown that gender gap is narrowing rapidly but the disparities is in the purpose of which internet is used (Katz et al., 2001. Richard et al. 2005) A telephone survey of 200 young Australians aged 16 to 17, found rates of exposure as follows: X-rated videos: 73 percent of Male, compared with 11 percent of females. While 84 percent of males compared with 60 percent of females reported madvertent online exposure. Deliherate online exposure: 38 percent of males compared with two percent of female. Report suggested that males may also differ from females in how they prefer to engage with pomographic media. I hough media usage patterns change rapidly males in many cultures are more likely than females to seek pomography online, with females demonstrating greater attraction to regulated markets e.g. (Flood and Hamilton 2003, Wallmyr and Welin 2006, and Flood 2007)

Similarly, study by Richard et al. (2005) found a number of gender differences in participants' use of the Internet. Study revealed that males were proportionally more likely to have their own web page than were females. They used the Internet more than females, in particular, they were more likely to use game websites, to use other specialist websites, and to download material from the Internet However, females did not use the Internet for communication more than males. There was a significant positive relationship between Internet identification and total use of the Internet, and a significant negative relationship between Internet anxiety and total use of the Internet. The study also found a significant and negative correlation hetween gender and use of the Internet. Furthermore, the association between pornography use and age appears to be compound; due to many factors that shape sexual behaviour. Age of first exposure is generally lower in boys than in girls.

It is ambiguous how this has changed as a result of the internet (McKee, Albury and Lumley, 2008). Ybarra and Mitcheil, (2005) in their study found that the prevalence of Intentional Internet exposure increased with age, from eight percent among 10- to 13-year-olds to 20 percent among 14- to 17-year-olds, with younger children visiting more traditional media like magazines and videos. In the past, pomography use has been a taboo, and it remains so for young person. Young persons who have high sensationseeking needs who enset rule-breaking behaviours, or who are delinquent commonly report higher tates of deliberate exposure (Bjmebekk 2003, Peter and Valkenburg 2006; Wolak et al. 2007). Delinquent teens not only are more likely to have been exposed to pomography but also report more exposure at an earlier age (often under 10), and more extreme pomography use than their peers (Bjmebekk 2003).

Media: The role of oredia in sexual socialisation essentially begins in early childhood. Many of the 'problems' credited to pomography have also been attributed to other media e.g. Internet.

According to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to Airwood (2005) edelescent females also use media to generate appropriate' according to the generate appropriate according to the generate according to t

directly challenge conservative definitions of female heterosexuality (promiseuity threatens female status) and may contribute to unease about attractiveness.

Although fears about the influences that media may have on young person's sexual knowledge, attitude and behaviours range back to the early days of motion pictures. The medical community began voteing its concern about the effects that entertainment media may have on sexual activity nearly three decades ago. Kaiser Famity Foundation Report (2003) study on media exposure indicated that young people were using more media for longer periods of time at younger ages. Content analyses of television programming showed that the prevalence of sexual content has been increasing over the past two decades. Suggesting greater exposure to exual content in media is associated with more permissive anitudes toward sexual activity, higher estimates of the sexual experience and activity of peers, and more and earlier sexual behaviour tunong young people. Although the body of research evidence is small, the findings seem to parallel those for media violence: young people accept, learn from and may entulate behaviours portrayed in media as normative, altractive, and without risk.

Peer: According to data from the Pew Internet and American Life Project (2001) on Toenage life online the vast majority of teen use e-mail than instant messaging (IM), which allow them to have multiple simultaneous conversations with a defined group of peers. Young people eite their peers as their principal source of sexual information (Wallmyr and Welin, 2006). However, pornography's role in this process differs markedly between the sexes (froup pornography use it a common means of promoting male bonding and exaggerated male bonding undermines males' platonic relationships with females and even sexual relationships with females and even sexual relationships with females and may be seen as dangerously feminisms. Risk of sexual coercion and assault is greater in groups and cultures emphasising male dominance, gender-based separation, and ideologies of toughtees (e.g. male athletic groups, street gangs and friendship circles). Pornography may exacterate competition and bonding but it is not necessarily its origin.

pomography use by socially isolated (real or perceived) individuals may also be problematic, due to the absence of the potentially moderating elements of peer sexual socialisation. A danger arises when such individuals find social identification through connections with other individuals with problematic sexual behaviour. Want (2004) has reported that peers along with media are important sources of sexual information for teens. According to Letkowitz, Boone and Shearer, (2004), conversations with best friends have been found to be related to sexual attitudes and behaviours.

development, the study found that adolescents who use the internet to connect with others in real-time social exchanges tended to possess higher peer status, more social skills, and greater social integration than their more socially introverted and withdrawn peers, who spent most of their internet tune in solitary activities. In addition, young person who use cliat moins exhibited lower peer status and had fewer social skills. Similarly, study conducted by Gross et al. 2002 on Internet use and well-being in adolescent, found that teenagers with strong social connections use e-mail and instant messaging (IM) to reinforce pre-existing bonds, whereas those with less developed social networks use the anonymous features of the Internet to find new friends and social outlets, perhaps compensating for what they lack offine.

Inexperience: Though young people commonly possess a keen desire to explore their own sexuality, they often also have a poor understanding of important sex-related issues, including safe sex, sexual violence, and sexual negotiation and communication, factors that place them at increased risk of experiencing sexual violence. Although many adolescents demonstrated capacity to think about the effects of media, they do not necessarily possess sufficient foundational knowledge or experience to be entirely aware of the aubility of the messages incorporated within pornography. Pornography might be expected to have an exaggerated effect on adolescents compared with that on adult. This is likely exceptated when there is an over-relative on pornography as a source of exteal information (directly or indirectly through over-relative on pornography as a source of exteal information (directly or indirectly through equally unknowledgeable poets).

and responsibilities (c.g. respect, safe sex and sexual communication).

#### 2.7. Sexual behaviour

Sexual behaviour is any activity solitary, between two persons, or in a group that induces sexual arousal while human sexuality is refer to the way someone is sexually attracted to another person which is determined by their sexual orientation whether it is to the opposite sex (heterosexuality), to the same sex (homosexuality), having both these tendencies (bisexuality). There are two major determinants of human sexual behaviour, the inherited sexual response patterns that have evolved as a means of ensuring reproduction and that are a part of each individual's genetic inheritance, and the degree of restraint or other types of influence exerted on the individual by society in the expression of sexuality (Likeitis org, 2009).

of the participants. There is solitary behaviour involving only one individual, and there is social-sexual behaviour involving more than one person. Social-sexual behaviour is generally divided into heterosexual behaviour (male with female) and homosexual behaviour (male with male or female with female). If three or more individuals are involved it is, of course, possible to have heterosexual and homosexual activity simultaneously.

llowever, the realization that people have ulways done cettain things does not necessarily allow us to conclude that they have always thought of them the same way. This is particularly true of the word "sex" and all its derivations. We know, of course, that in ancient and medieval true of the word "sex" and all its derivations. We know, of course, that in ancient and medieval mess people had dozens or even hundreds of words for the male and female organs and for the act of copulation. We also know that they talked about being fruitful and reproducing their own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood. They knew what was meant by kissing, embracing, or fondling another own flesh and blood and blood and blood another own flesh and blood and blood another own flesh and blood and blood another own flesh and blood another own fl

nature in the present book, the term "human sexual behavior" is used both in a wider and a narrower sense in the wider sense it simply means everything people do as sexual beings. Among other things, this covers the way in which young people perform their masculine and feminine gender roles and how they choose and approach their sexual partners (Kontula and Mannila, 2009)

Mest exual arousal does not lead to sexual activity with another individual Humans are expected to sexual stantily exposed to sexual stantily when seeing attractive persons and are subjected to sexual the mest in advertising and the mass media. Response to such visual and other stantil is trongest in adolescence and early adult life and usually gradually declines with advancing age. One of the necessary tasks of growing up is learning to cope with one's sexual arousal and to be there is some balance between suppression, which can be injurious, and free expression, which can lead to social difficulties (Likestis.org, 2009)

#### 2.8. Influence of exposure on sexual behaviour

there is considerable debate about the impact of pomography on adolescents and young persons, particularly as there is limited scientific research available. However, some cross-sectional studies suggest that prolonged exposure can lead to exaggerated beliefs of sexual activity among peers, sexually permissive attitudes, and sexual callousness and young persons dispositions toward sexuality (Zillmann, 2000), including more negative ultitudes toward result partners. Pornographic influence may not be restricted to attitudes, sexual behaviours can also be affected (I Roberts, Foehr and Rideout, 2005).

Although the Internet has consistent positive impacts on modern society, it has also caused various societal concerns about privacy, security, pomography, Internet crime and virtual community (Greenfield and Yan, 2006). Internet casy accessibility poses greater risks and dampets for youth as compared to other forms of media. As cited by Adebaya and Edegbe (2004), studies in the United States have revealed that sex is reported to be the most freduently searched topic on the Internet. Further, research has also shown that laternet use is related to sexual behavior among secondary school students in the Bang, ok metropola (Prascrimwa) and Petcham, 2004).

According to the National Altitudinal Poil, the number one media concern for parents has shifted from television to the Internet: 85% of parents reported that among all forms of media, the Internet posed the greatest risk to their children (Common Sense Media, 2016). Parental concerns are valid, especially considering that teens are essentially free to view and post whatever they choose and communicate with whoever they want. In line with this, the Internet has become a highly effective and profitable means of distributing sexually explicit material, as well as a sophisticated channel for compulsive sexual behaviour, sex trofficking, and sex crimes (Galbreath and Berlin, 2002). Teens are being subjected to sexual material and messages before they are mentally prepared to understand or evaluate what they are viewing-in addition, the majority of sex education is taking place in the media particularly the internet, not in the home or school. Research has shown that pornography and its messages are involved in shaping attitudes and encouraging behaviour that can harm young persons' users and their families (Kimlerly et el. 2006, Tori, 2007, Michael, 2009). Pomography use is often viewed in secret, which promotes the allure of adultery, prostitution and unreal expectations that can result in dangerous promiseuous behaviour.

Ybarra and Mitchell (2005) survey found that 13% of adolescent Internet users, 10 through 17 years of age visited X-rated web sites on purpose in 2004. Thirty four percent of adolescents were exposed to online pornography they did not want to see, primarily through (in order of frequency) links to pornography sites that came up in response to searches or inisspelled web addresses or through links within Web sites, pop-up advertisements, and spain e-mail. Although there is evidence that most adolescent are not particularly upset when they encounter unwanted parmography on the Internet, unwanted exposure could have a greater impact on some young persons than voluntary encounters with pornography (Livingstone and Bober, 2004, Violak, Mitchell and I mkelhor, 2006, Peter and Valkenburg, 2006).

Young people equality is influenced by the mass media today more than any other time in bistory internet, television, music video and sexually explicit lyrics all contribute to young persons attitudes and believious concerning extail activity. Only 9% of the sex scenes on 1500 of eable network programming discusses and deal with the negative consequences of example network programming discusses and deal with the negative consequences of behavious (P when III here) to lued to the Tutie Sourcebooks) If nee the Internet and

the anonymity therein allows young persons real concerns relating to false information on health issues, sexuality, and sexual violence in the world of intimate sexual relationships (Subrahmanyan), ci. al. 2006)

When the Internet was in its infancy, the only people with access to it were scientists working for the government or at universities. Today, the Internet, though itself only in its teenage years, is widely used by young persons. Soon after its commercialization in 1993, the Internet and the World Wide Web gained prominence in producing, disseminating, storing, and presenting pomagraphic materials known as Cyberporn or Cybersex. Content analyses have shown that pornographic materials posted and distributed on the Internet have been presented in an unprecedented and interactive dimension. Concerns over the excessive growth of Internet pornography have given rise to a moral panic ((Nichta and Plaza, 1997; McMurdo, 1997; Heider and Harp, 2000). Today's pornography has reached a level of degradation and violence that is alarming.

According to Emeozor (2005), the growing popularity of Internet use in Nigeria has raised concerns in some quarters about the possible relationality unong young people in Nigeria with respect to Internet search. This concern is not unfounded, as the Internet has profoundly impacted sexuality. In a study by Adebayo et al. (2004) on gender, Internet use, and sexual behaviour orientation among young Nigerian, there was a corresponding relation between gender, Internet use, and sexual behaviour. Increased Internet exposure was associated with the gender Internet use, and sexual behaviour Further research has also shown that Internet use is related reported extent of sexual behaviour Further research has also shown that Internet use is related to sexual behaviour among secondary school student in the Bangkok metropolis (Presertsawar to sexual behaviour among secondary school student in the Bangkok metropolis (Presertsawar and Petchum, 2004).

According to Ojo and i asuban (2005), young peoples sexual behaviour in Nigeria and sub-Saharan Africa is seriously going through transformation from what it used to be in the past. They attributed this to the effect of modernization coused by industrialization, education, They attributed this to the effect of modernization coused by industrialization, education, they attributed this to the effect of modernization coused by industrialization, education, they attributed this to the effect of modernization coused by industrialization, education, they attributed this to the effect of modernization coused by industrialization, education, they attributed this to the effect of modernization coused by industrialization, education, they attributed this to the effect of modernization coused by industrialization, education, they attributed this to the effect of modernization coused by industrialization, education, they attributed this to the effect of modernization coused by industrialization, education, they attributed this to the effect of modernization coused by industrialization. Consequently, sharped accounts at the effect of modernization coused by industrialization.

the abuse of the Internet has recently attracted the attention of scholars. Research evidence suggests a relationship between exposure to sexual content in the media and sexual beliefs, attitudes, and behaviours (Brown and Eisenberg, 1995). Given the populant) of the Internet amongst young people, some researchers have investigated the relationship between young persons involvement with online sexual activities (including online chats, meeting partiters, and looking for romantic and sexual relationships) and the development of their sexuality.

In view of the challenges and threats posed by STis and HIV/AIDS, it is imperative to understand the context and associated factors that may shape sexual hehaviour of young persons sexual attitude and behavior in Nigeria. Young persons' access to Internet lacilities representation that may influence their sexual behaviour orientation is popularity of Internet use has been facilitated by the emergence of cyber cases in Nigerian cities. (Ajakaye and Kanu, 2004).

Psychologists Dolf Zillmann and Jennings Bryant (1984), who studied the effects of sustained exposure to non-violent pornography, showed through their studies that males seek progressively more violent material with frequent Internet use. "Pornography can transform a male who was not previously interested in the more abusive types of pornography into one who is turned on by such material." They also cited, after exposure, a higher acceptance of adultery in marriage more positive views of promiseurly, and more receptance of dominant and subordinate gender roles. With the growing rates of sexually transmitted disease and the frequency of rape among young people, pornography shows itself to be a contributing factor to these problems. (Inc. can also infer that its effects would be just as negative if not more, on young people. The most frightening aspect of the aforementioned study was that after exposure to this.

A similar study by Jennette Norris (1991) on the impact of social influence and timuli individuals who have had long-term in depth exposure to purpographic indicated that individuals who have had long-term in depth exposure with the opposite sex materials will have a much more difficult time being able to empathize with the opposite sex materials will have a much more difficult time being able to empathize with the opposite sex materials will have a much more difficult time being able to empathize with the opposite sex materials will have a much more difficult time being able to empathize with the opposite sex materials will have a much more difficult time being able to empathize with the opposite sex

therefore equals increased potential for violent sex enmes, increased acceptance of rape myths of violence toward women, and insensitivity toward rape victims

Study conducted by Neil Malamuth (2000) also suggested that where a predisposition toward aggressive sexual behaviour" already existed, those same young persons exposed to pornography had four times greater levels of sexual aggression than those their age who did not seek out pornography. This, among other studies, indicates that pomography has negative effects on a young ones state of mind, their decision making process, and ultimately their lives.

A book "Pornography as a cause of rape", author Diana Russell, holds many frightening statistics, such as the fact that fifty percent of high school males said that it would be okaly to force themselves upon a female if she changed her mind after "turning lum on". According to Russell, pomography meant to arouse paired with violent or aggressive imagery follows the "laws of social learning". In her book, she proceeds to make well-supported assertions as well-such as, "pornography undermines some males' internal inhibitions against acting out the desire to rape", and "pornography undermines some males' social inhibitions". Considering all these finding, it is obvious young people cannot truly understand the moral implications that must be considered when viewing this type of material. As such, any of these young boys will have no moral or ethical guidance while dealing with these issues because there is such it about unrounding adolescent and pomography. Many individuals undertake imilitate risk-tuking behaviours, which may compound the potential effects for example, a higher acceptance of permagnaphy is associated with increased alcohol usage (Carroll et al. 2008), and alcohol may exacerbate the negative effects of permagnaphy exhouse and increase the risks of sexamilatorical or aggression (Norris and Kerr, 1993).

Statistically, agrificant assistations are found between paragraphy use and some specific extral behaviour but the extent of the causal role of pornography is under delate its role in sexual volence is argued to be mediated by per oral factors such as general hostility hostility lowered women, hoper masculauty empathy deficus impersonal extrainty precocutus extra behaviour, and behavioural difficulties such as interpresental difficulties, hyperactivity impulsiveness delinquency and antisocial behaviour (Seto, Marie and Harbarre, 2001) impulsiveness delinquency and antisocial behaviour (Seto, Marie and Harbarre, 2001).

factors such as hostility and problematic behaviours, which manifest out of childhood experience rather than arising from pomography itself. This does not mean that pomography use is not harmful, but rather that it is not the origin of the harmful effects.

percent of ninth graders (15-16 years) and third-year upper secondary students (19 years) have already seen some form of pornography. These figures are somewhat lower for girls, with just over half of minth-graders and two-thirds of third-year upper secondary students having seen pomography. A clear majority of the general public feel that adolescents sexual habits are affected by watching pornography. Studies which pose similar questions to adolescents indicate that, whilst many feel others are affected by watching pornography, they are much more skeptical as to whether they themselves are affected. Young males than females feel they themselves are affected, however, in general, females also see pornography as a turn-off and disgusting while more males feel it is a turn-on and exciting. More males than females are keen to my what they see in the pornography. Several studies also show that there is a strong relation thip between having seen pornography and having tried out certain sexual acts.

In an anonymous survey at a localth center in New York City, the cross-sectional survey assessed internet accessibility, exposure to sexually explicit web sites (SEWs), sexual behaviours and sexually permissive attitudes. Of the participants, 96% had internet access, and sexually permissive attitudes. Of the participants, 96% had internet access, and sexually reported ever visiting a SEW. Study also reveated that adolescents exposed to SEWs were more likely to have multiple lifetime sexual partners and have the tendency to display higher sexual permissiveness cumpared with those who have never been exposed.

Study by Brown and I. Engle (2009) showed that two-thirds (66%) of males and more than one-third (39%) of females had seen at least one form of sexually explicit media in the past year. At baseline, being black, being older, and having less-educated parents lower socioeconomic status, and high need for sensation were related to greater expolure for both males and females I origitudinal analyses showed that early exposure for male predicted test properties gender role at itusies, more permitting sexual them, sexual hard sment properties gender role at itusies, more permitting sexual them, sexual hard sment perpetration, and having oral sexual intercourse two years later fluidy exposure for

temales predicted subsequently less progressive gender role attitudes, and having oral sex und

Vabarra and Mitchelle (2000) national survey on 10- to 15-year-old adolescent who have used the Internet at least once in the last 6 months, the main outcome measures were unwanted sexual solicitation on the Internet, defined as unwanted requests to talk about sex, provide personal sexual information, and do something sexual, and Internet harassment, defined as rade or mean comments, or spreading of rumors. Study revealed that 15% of the adolescent reported an unwanted sexual solicitation online in the last year, 4% reported an incident on a social networking site specifically. Thirty-three percent reported an online harassment in the last year, 9% reported an incident on a social networking site specifically. Among targeted adolescent, solicitations were more commonly reported via instant messaging (43%) and in chart rooms (32%), and harassment was more commonly reported in instant messaging (55%) than through special networking sites (27% and 28%, respectively).

Recently China has taken a lead to scrap this ugly situition Beijing. (2010), China has shut down another 16,000 websites on grounds that they were of a pomographic nature. The move the latest in a string of drives to erack down on pornographic and levid content appearing un the Internet. Sustisues from the International Communication Office of the Central Processing Complex (CPC) revealed that since the emekdown was launched in December 2009, more than 850,000 pictures and 13 inillion inessages with level or purrographic content have been deleted Over 30 online novels and 15 mobile phone games have also been halted. China darly reports and the campaign made significant breakthroughs in striking the profit chains for pom web sites as the lewed content on the Internet in the country were reduced and the tendency of spreaching uch information through cell phones was kept under control. Larlier, the officials had barned in addition 1414 work of online literature which were found to commit level or pamographic content mid about 30 000 web link to the banned works and 20 online literature websites were closed after scruting of about 4 000 literature websites by at he than 50 experts organized by the Cieneral Administration of Pres and Publication (CAPP) of Cluna The banned works also included portugisplac content any provocative or privary initial titles that disregarded common decency (Asian News Internagaroal, 1 et 2010)

Notably, exposure to Internet pornography has potential implications on adolescents' sexual relationships, such as number of partners and substance use. The Computer Security and Critical Internation Infrastructure Protection bill 2005 worked out by the Nigeria Cyber Crinic Working (Group (NCWG) remains one of the most powerful legal tool for lighting cybercrime in Nigeria. Yet there are no obvious concerns for the underage and cluldren in their access to the Internet in Nigeria. Children, young people and adults consume the same vulgar contents with impunity and without deterrents. One would have thought that the trend applicable in the movie industry in Nigeria regarding content ratings would have been applied online, it seems nobody has thought or is thinking along these lines among our policy makers. All we can see and observe are on paper in the Cybercrine Act. As of date and to the best of knowledge, there has been no form of arrest or prosecution of pedophiles. Internet sex hawkers or Internet service provider where the right of users to decent contents especially children and young persons are violated.

Surprisingly, the objectives of the pets were to secure computer s) stems, networks and protect entired information infrastructure in Nigeria

### 2.9. Conceptual framework:

Ecological Model was used in exploring the variables studied

#### 29.1 The Ecological Model

within and across all levels of a health problem. It highlights people's interactions with their physical and socio-cultural environments. Two key concepts of the ecological model help to identify intervention points for promoting health. The lirst is that behaviour both affects, and is affected by, multiple levels of influence while the second is that individual behaviour both shapes, and is shaped by, the social environment (reciprocal causation)

In order to explain the first key concept of the ecological perspective, (multiple levels of influence), McLeroy, Bibeau, Steckler, and Glanz (1988) identified five levels of influence for health—related behaviours and conditions. These levels include: 1) intra-personal or individual factors: 2) inter-personal factors; 3) institutional or organisational factors, 4) community factors and 5) public policy factors (NIII, 2005). An ecological perspective shows the advantages of multilevel interventions that combine behavioural and environmental components. Clearly, the ecological model stresses a holistic approach to problem identification resolution. Figure 2.1 highlight the key concepts of the model while the ecological model as adapted to facilitate the study of Internet and sexual behaviour of adolescent is presented in Figure 2.2.

Concept	Definition or Clarification
Intrapersonal Level	individual characteristics that influence behaviour such as practice and personality usigs
Interpersonal Level	Interpersonal processes and primary groups, including family, friends and peers that provide social identity, suppo
Community Level	THE RESERVE THE PERSON NAMED IN COLUMN 2 I
Institutional Factors	Rule regulation policles and informal sucture, which
Community Factors	Social network and norms, or standard, which exists formal or informal among maked only in and or standard which exists are standard which exists and or standard which exists and or standard which exists and or standard which exists are standard which exists and or standard which exists are standard which exists a standard which exists a standard which exists a standard which exists a stand
Public Policy	Tupport health? actions could and management of cylique of the state of the country of the count

Fig 2.1: Explanation of the basic concepts in ecological model

#### COMMUNITY

#### INSTITUTIONAL

## INTERPERSONAL

#### INTRAPERSONAL

- \* Young person knowledge about Internet
- Young personality and towards the use of Interner
- \* Beliefe and other perception about Internet
- Information from friends and peers on Internet use among young people
- . Influence of significant thetor on the Internet use
- Penalty of sunction of pedophiles, Internet sex hawkers of internet service provider where the right of users to decent contents especially children and young people are violated.
- Use of X-rated Internet pornography policy not available
- Myths, perception and beliefs about Internet
- . Viewing Internet as source of information for young people
- Ineffective or non-existence of national state policy on Interact purnography
- Policy maker not giving young people reproductive health needed attention in terms of terms have a law

for health promotion practice. National Institute of Health (2005) Theory at a glance. A guide for health promotion practice. National Institute of Health 1.8 Department of Health and Human Services.

# Fig 2.2: I cobgical model adapted to explain influence of Internet use an adolescent sexual behavior

The ecological model was useful in the election of the following variables for measurement downs the study source of information, activities practice and influence of internet use

#### CHAPTER TUREL

#### METHODOLOGY

#### 3.1. Study Design

The study was a descriptive cross – sectional survey designed to examine the influence of Internet on sexual behaviour of young people.

#### 3.1.2. Study Site

Ibadan North Local Government Area constitutes the study setting. The LGA is one of the five IGAs in Ibadan metropolis. Ibadan North I GA was created on 27th September 1991 out of the defunct Ibadan Municipal Government.

The headquarters of the local government is Bodija. The local government is bounded in the North by Akinycle I GA, in the West by Ido and Ihadan North West LGAs, and in the South by Ibadan North West and Ibadan South West LGAs, Ihadan North LGA is bounded in the East and Lagelu LGAs (see appendix 1)

152 661 people while the female population was 150,210. Total males and females within 10.

24 years were 110 767 accounting for 36.6% of the total population (National Population)

Committeen, 2006). Ibadan North LGA comprises of 12 words (See Table 3.1)

The I (1A as multi – ethnic in composition. It is predominantly dominated by the Yorubas. The Igbos. Edoa Urhobos. Itsekins, Ijaw. Hawas. Fulants and non-Nigerians from Europe. America. As a and other parts of the world also live within the I (1A)

Majority of the residents of Ibadan North LGA are in the private sector. They are mainly traders and artisans. Some residents of the LGA are civil servants who live around Bodija edute. Aphono, Sango, Mokola, the University of Ibadan and the Polytechnic Ibadan. There are namely Bodija market (which is the large a sector and private sector.

Thousands of people patronise these markets on a daily basis from within and outside Ibadan. The LGA is governed by an elected Executive Chairman. The Executive Chairman is assisted by a Vice Chairman, the Secretary and the Supervisory Councilors. The Councilors constitute the legislative arm of the local government while the administrative head is the Director of Personnel Management. The customary courts form the judiciary arm of the local government.

There are numerous educational institutions in Ibadan North LGA (IBNLGA); these include the University of Ibadan. The Polytechnic, Ibadan, Oyo State School of Midwifery, Yemetu, 78 public and 48 private primary schools as well as 80 public and 20 private secondary schools. The public health facilities in the LGA include one tertiary health facility, one secondary health facility and 12 primary health care facilities. There are myriads of private clinics and patent medicine stores in the LGA. The business concerns in the LGA include numerous one-man business entities, large corporate organizations as well as public and private educational institutions. There are quite a number of cybercafes all over Ibadan north LGA. This is of various sizes from city center to small streets and many of them were not registered with enoperate body. Statistics about the diffusion and current number of cybercafes in Ibadan north are problematical because of uncertainties in delinition and the absence of authoritative measurement mechanisms. Government statistical agencies and commercial metrics groups have not been collecting and publishing about number of cyber cafes. Notahly, majority of well known cybercafes were concentrated more around Agbowo Polytechnic and Bodifu meas.

Table 3.1 The 12 Wards in Ibndan Nurth LGA and their constituent communities

Ward	Areas/Neighbourhoods/Communities
1	Beere Kannike. Agbadagbudu, Oke Aare, and Odo-Oye
2	Ode-Oolu, Inalende, Oniyarın and Oke-Oloro
3.	Adeovo Yemetu, Oke-Arcino, and Oke-Alfa
4	limaba Idi-Oino, Oje-Igosun, Kube, Oke-Apon, Abenla, Ali-Iwo/Ioial Garden, and
5	Basorun, Oluwo, Ashi, Akingbola, Ikolaba, and Gate
6	Saho area
7	Oke-Itunu, Coca Cola, and Ore-Meji
8	Sango, Ijokodo
9	Mokola, Ago-Tapa, and Premier Hotel area
10	Bodija, Secretariat, Awolowe, Obasa and Sanusi
11	Samonda Polytechnic and University of Ibadan
12	Agbowo, Bodija market. Oju-Irin, Barika, Iso-Pako, Lagos Ibadan Expressway

## 3.1.3. Study Population.

the seasy possitation consists of both in and out of school youth aged 10 - 24 years. The breakdown of age group of study population is shown in Table 3.2.

Table 3.2: Age distribution by both sex

in Age	Both seves in number	Roth server in %
10-14	42.118	110
13-19	36.288	12.0
201-24	32.61	10.7
Total	110,767	36.0

Samuel Population Commission - 2006 Propulation Census

#### 3.2.0 Sample Size

The same is was calculated using the following formula:

Tiple of the enderstand Sumple size (37) was added to 368 to take once of non-response making.

The maximum takeness taken to be 405.

## 3.2.1 Sampling Procedure

in order to obtain a sample of the population for the study, some procedures were taken. A multi-four stage approach was use to sample respondent for the study asfollow

- Stage 1. The wards were selected out of twelve wards in Ibadan north LGA.
- Stage 2 five streets were randomly selected in each of the live wards selected for the study in la din north I GA
- Stage 3 He is hold was systematical selected within the selected streets for study
- Stage 4: 413 ! ligtble respondents were selected from household. Thus involved household to hatt shold sampling of respondent to identify eligible participant using following entenon
  - (1) Young person age 111-24 years who has ever used linemen

#### 3.3.0 Instrument for Data Collection

Data collection was facilitated by using quantitative data collection method. A validated semitructured questionnaire was used for the collection of quantitative data.

1. Semi-Structured Questionnaire: A semi-structured questionnaire which consisted of four rections. A-1), was used to collect duta from the respondents Section A tocused on the socio-demographic characteristics of the respondents while section 13 contained questions on overall activity and practices related to Internet use generally Section & focused on questions that probed into somoEmphy exposure Section 1) looked in online social adjustment among the respondents (Sec Appendix 111 for the questionnaire).

#### 3.3.1 Validity and Reliability

In order to ensure the reliability and validity of data collection, several steps were taken. These tels re discussed here

33.1.1 Validity

The que tionnaire were initially designed in English by the investigator and pre-tested by the in eligator and other research as a unit who were versed in both I in lish and Yoruba for claim much is pondent with a view to ascertaining the accuracy of the tool

The questionnaire was developed using pertinent variables teased out from the reviewed Incrature and the results of 35 pre-tested instruments in Ibadan North-West Furthermore, review of the instrument and input of my Research Supervisor and other senior colleagues were used to enhance the face validity of the instruttion

#### 3.3.1.2 Reliability

In order to determine the reliability of the instrument, the pre-tested copies of the questionnaire were cleaned coded and entered into computer using SPSS package and, a Statistical Reliability Analysis was conducted to test the reliability of the questionnaire and to measure its internal consistency using the Alpha (Cronbach) model of reliability analysis. The value of the Alpha model of reliability analysis obtained showed a good degree of internal consistency (9714)

### Training of Research Assistants

Three research as sistants were recruited and trained. The training facused on the objectives and importance of the study, the sampling processes, how to secure respondents informed consent. a review of questions to ensure completeness and other general interviewing skills. The Que nonnaire was discussed in detail during the training and the research assistants became familiar with it by conducting role-plays with each other. The field assistants were involved in the pretest of the questionmaire, which created apportunity for them to learn how to collect the required data. It was are opportunity for them to hincure how they would go about collecting the date. While the resembler watched to see how the exercise was being done and to make necessary correction(s)

## 3.5 Data Collection, Management and Analysis

#### 3.5.1 Data Collection Process

#### 3 S.1.1 Interateur

The qualitative data was collected a ang the pretested questionnaire. The questionnaires were interview of administered. The research as istants and the investigator well from house to house a outlined in the sampling procedure to conduct the interviews. After administering each got the me in durck on- the spot check on the filled que monning was done and

monitoring their movements, moving round the community to cross check and made sure that they actually visited the households that were selected. Unprompted supervisory visits were also paid to the research assistants while they were in the field. The investigator checked the questionnaires administered each day for data cleaning and problems noted were immediately resolved. The data collection process lasted for two weeks.

## 3.5.2 Data Munngement and Analysis

questionnaires were collated and edited by the researcher with the help of research as a tont. The questionnaires were checked for completeness and a serial number was given to each for easy identification and recall. A coding guide was developed after a careful review of the responses and the responses in the questionnaires were hand-coded by the researcher. A template was then designed on the Statistical Package for Social Sciences (SPSS) software for entering of the coded data. Each questionnaire response was entered into the computer using the SPSS software. Summary statistics such as means, median and standard deviations were used to summarize quantitative variables while frequencies and proportions were used for qualitative variables. Association between entegorical variables was tested using the clu square test. Logistic regression analysis was done to identify significant predictors of two dependent variables action taken on experiencing pornographic material and reported change in sexicil behaviour. Level of significance was at 5%.

#### 3.6 Limitation of Study

The study has a variety of limitations. First, the data from the study is cross-sectional so the near of temporal changes among particular young person could not be reflected since this not a boundaried trudy. Second, some youth respondents may not have disclosed their experiences, which could result in an undercounting of episodes. That the study relied solely on reported practices of the respondents. The correctness of which could be ascertained through efforts were made to ensure that respondents reported honest practices. Fourthly, birth certificate of the respondents were not verified to a certain authenticity of one claimed and, there were small respondents were not verified to a certain authenticity of one claimed and, there were small

sample sizes for some subgroups of respondents, limiting the statistical power to identify changes in some instances

Internet accessing young persons in Ibadan North LGA It may not be appropriate to generalize the finding to other LGA or States elsewhere due to stratified difference in location.

#### 3.7 Ethical Consulerations

The following steps were taken to ensure that this research was done in an ethically acceptable

- 1 Ethical clearance was obtained from Ethical Commission in Ibadan.
- 2 Each participant was provided with information about the following focus of the study, objectives of the study, study methodology, inconveniences that might be experienced by participants and the potential benefits of the study to society
- I l'atticipation in the study was made voluntary and infomued verbal consent was sought and obtained from each patticipant
- The confidentiality of the participants' responses was assured Towards this end each participant was requested not to mention his/her name or any identifier during the administration of the questionnaire.
- batteipants were informed that they were tree to withdraw from the study if they so wish at any time without any sanctions

#### CHAPTER FOUR

#### RESULTS

#### 4.1 Socio-demographic information

The distribution of respondents' socio-demographic characteristics revealed that about two thirds were between 20 to 24 years, 29.8% were less than 20 years and 6% did not indicate their age. Respondents were more males (70.5%) than female (28.6%). The highest proportion of respondents had teritary education (60.3%) followed by senior secondary (23.5%), Junior secondary (1.2%) and primary (0.2%) (Figure 4.1). The proportion of out of school respondents was 13.1%. They were predominantly Yoruba (76.5%) followed by Ibos (18.4%), Illaum (2.4%) and others (1.5%). There were more Christians (83.8%) than Muslims (14.8%).

February 26.6% at less than 15 years and 21.1% at 20 years and above. About a third (31.2%) had been using the Internet at home for four years or more compared to 31.7% who reported they never used the internet in school. Less than a tenth (9.0%) each had been using the Internet at home for less than 6 months and between 6 months and one year. A quarter (25.4%) had been using Internet at school for more than four years preceding the interview while 27.4% never used. At the cybercase only 0.7% never used, however overhalf (5.4%) had been using it for 2-10 years (See Tuble 4.1)

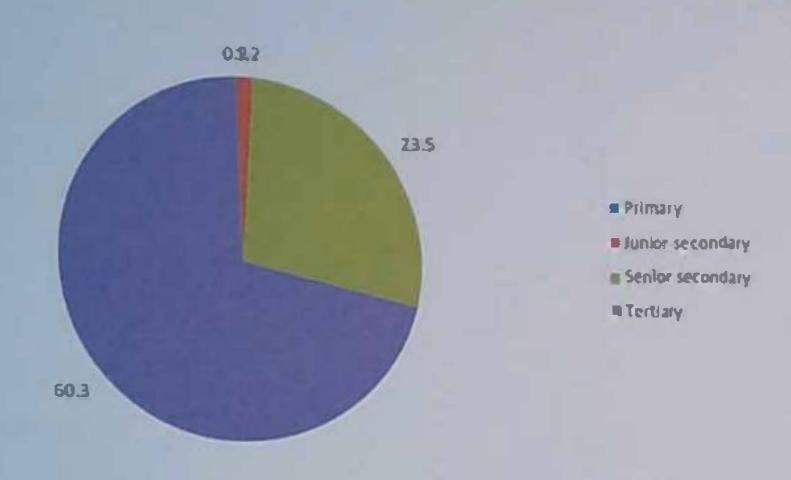


Figure 4.1: Percentage distribution of level of education of respondents

Table 4.1 Internet use among respondents

ariable	Frequency	%
at first internet use		
Less than 15	110	
15-19	110	26 6
20-	203	19.2
Non response can't remember	87	21.1
Total	13	3.1
	413	100
Duration of Internet use at home		
Less than 6 months	37	90
6months - 1 year	37	90
2-3 years	61	15.5
A years or more	129	31 2
Never used at home	131	317
Non response can't remember	15	3.6
Total	488	100
buration of Internet use in school		
Less than 6 months	37	10
6 months = 1 year	66	160
year.	62	15 0
here than 4 year	105	25.4
res nied at school	113	274
You re pon e can't temember	30	7.2
Letat	413	(90)
Haration of Internet use at cylicteale		
Les thin a maile	37	9.0
6 month 1 year	64	15.5
253 y mars	223	1111
More than 4 years	યુંત	0.7
5500 used methercat a	3	0.7
Cant ternamber	40	11)()

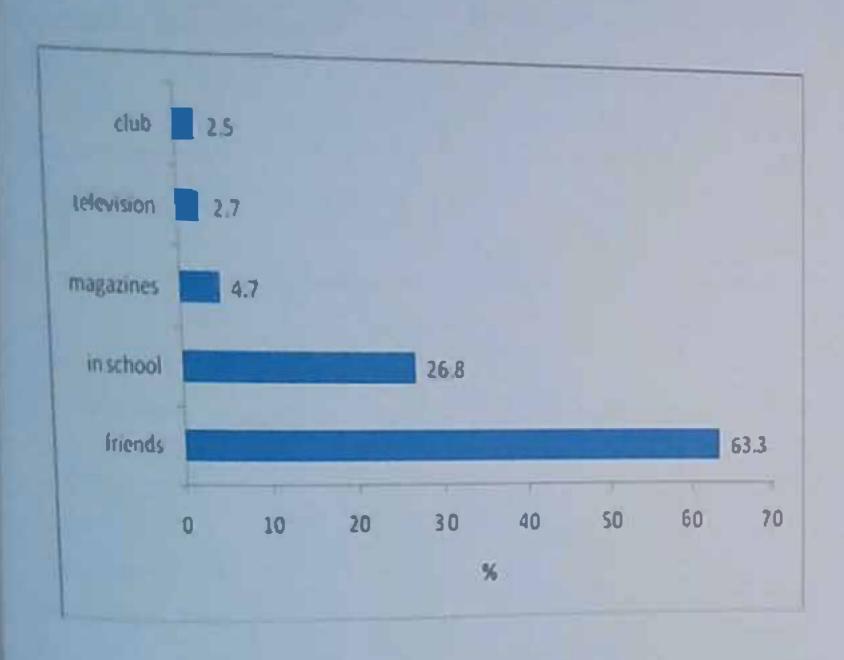


Figure 4.2: Respondents sources of information about the internet

Table 4.2: Frequency and duration of Internet use by respondents

frequency	9/0	
250	67.7	
	62.7	
	17.2	
	12.1	
	0,8	
	100	
122	29.5	
48 \$	9.5	
103	24.9	
122	29.5	
25	6.1	
413	100	
219	53 0	
120	29,1	
60	14.5	
14	3.4	
413	100	
	259 71 50 33 413 122 4! 103 122 25 413 219 120 60 14	

The proportion of respondent who reported they needed assistance while browsing was 52.7% while 12.1% used more than three times daily. The proportion using the Internet everyday was 29.5% During each visit 53% mend about 30 minutes (2.1) hour while 29.1% spend 2-3 hours (Table 4.2)

#### Activities Engaged on While On Internet

the activities respondents engaged in while on the net are shown in table 4.3. The most common activity is to send or read e mails (55%) followed by on line chatting (34.1%), research/homework (31%), information about current events (27.6%) and information about schooling abroad (24.9%). Music downloads were reported by 18.6%, job search (16.2%), playing online games (12.6%), seeking religious information (12.6%), online shopping (9.7%) and information on dieting (8.5%). Pomographic sites were reported by 8% and 3.6% sought information on health issues.

Table 4.3: Activities respondents engaged in while using the Internet

Activity engaged on Internet	Frequency %	
Send or read e mails	227	55.0
Online chatting/dating	141	34 1
Research/Home work	128	29.3
Oblain information about current events	114	27.6
Information about schooling abroad	103	24.9
Download music	77	186
Job search	67	16.2
Use peer to peer programs to download inusic, games	62	15.0
and videns		
Use webcams and digital cameras to take and send pictures	53	12.8
Play online game	52	12.6
Seek religious information	52	12.6
Online shopping	40	9.7
Information on body development/dieting	35	8.5
Visit sexual explicit pomography sites	33	8.0
Reproductive health information	15	3.6

Multiple responses total inay not add up to 100%

Relationship between activities engaged while on the Internet and respondents'

Relationship between activities carried out when on the internet and respondents' characteristics are shown in Table 4.4. Result in the table indicated there were no significant associations for any of the variables gender and education. A higher percentage of males (8.9%) compared to femilies (5.1%) (p=0.189), also a higher percentage of those in school empared to those out of school (p=0.0.054) visited pornographic sites

Age at first unernet use was also not significant though those who had been using internet for longer periods were more likely to visit pornographic sites (p=0.084). Religion (p=0.296), highest educational level of parents or guardian (p=0.702) and frequency of internet use (p=0.284) were also not significant.

Table 4.4: Relationship between activities engaged in while on the Internet and respondents' characteristics

	Visit pornography sites				
V ariable	Yes	No	<b>Potal</b>	Chi square	P vulm
Age (years)					
-20	11(113)	66(85.7)	77	2.269	U 132
20+	20(8.4)	218(91.6)	238		01132
Sex					
Female	6(5.1)	(12(94.9)	118	1 726	U 189
Male	26(8.9)	265(91.3)	291		
Ethnicity					
Young	24(7.6)	292(92.1)	316	0.459	0 198
Others	<b>4</b> (9.8)	<b>%3(90.2)</b>	92		
Education					
Secondary (in-school)	11(107)	92(89.3)	103	5.842	0 05.1
Tenan	22(8 8)	227(91 2)	249		
Out of school (completed )	0(0.0)	54(1000)	54		
Age at first internet					
use(jears)	- 3				
<15	11(100)	99(40.0)	110	4 950	0 084
15-19	19(94)	184(90.6)	203		
20+	2(23)	85(97.7)	87		
Religion			2.04	1.092	0.296
Christianity	26(7.5)	320(1)25]	346	11172	
Islam	7(115)	54(88.5)	61		
Highest (ducational level o	1				
parenta gustultan		30105 (II)	40	0.708	0.702
Primary	2(5.0)	38(95 0)	9.4		
Secondary	7(74)	87(926) 2 (Nal 3)	257		
Tertiary	22(8.7)	2 114 41 27			0.741
Frequency of Internet use		93(86.9)	107	1.147	0 781
the light state of the light sta	14(13.1)	179(90.9)	197		
Less frequently	18(9.1)				

## Respondents visit to pornographic sites and their reaction

Table 4.5 shows the frequency and percentage distribution of young persons who had visited on pomographic sites and respondents reactions. Changes were observed in sexual behaviour by 31.1% following exposure to the pomographic sites while 19.3% reported they ever practiced scenes seen on the sites.

Daily users were about 1.7 times more likely to view pornngraphic sites stumbled across compared with other respondents (95% Cl OR = 1.012 - 2.819). Gender was not significant.

Table 4.6, shows odds ratios and 95% confidence intervals for the relationship.

Table 4.5: Frequency distribution of respondents' stumble on pornographic sites and their attitude

their attitude		
Variables	f requency	U
Ever stumbled on pornography site		
Yes	270	73.2
No.	104	27.8
Frequency of stumbling on pornographic site		
Regularly	55	20 4
Occasionally	215	79.6
Total	270	100
Reaction on stumbling on pornographic site		
Close immediately	104	38.5
Glance through and close	122	15.2
Minimize and view later	34	125
No response	10	3.7
Total	270	100
Person respondent shares experience on site with		
Friend (same sex)	88	32.6
I nend (opposite sex)	26	9.6
Parent s guardian	7	2.6
Nobody	(10	5\$ 2 100
Total	270	

Table 4.6: Logistic regression analysis of action taken by respondent (view versus close immediately) when they visit pornographic site on variables

Variable	Odds ratio	95% CLOR	P value
Frequency of use			
Daily users versus non-daily users	1.689	1012 -	0.045
		2.819	
Gender			
Mule Vs temale	0.572	0,319 -	0.061
		1 026	

Table 4.7: Frequency distribution of behaviour changes of respondents following first exposure to pornographic sites

Variables	Frequency	9/6
Practice what you saw from pornography		
Yes	60	19.5
No	248	80.5
Imitation of contents of pornographic sites/model		00.0
Yes	37	11.7
No.	280	88.3
*Practices engaged in following first exposure (n	=60)	
Smoking	5	8.3
Fatton	11	18.3
Oral sex	29	48.3
Homosexuality	3	5.0
Group ex		1,6
Drug abuse	1	1:6
Multiple sexual partners	7	116
Rape	3.	50
renti-	t and an east on normal	ranhy

<sup>\*</sup>Based on those who reported they practice what they see on pornography

Respondents reported behavioural change following first exposure to pornography was 10.5%.

About forty-eight percent admitted ever procueed oral sex and 11.6% have had multiple sexual partners (Table 4.7)

#### Reported negative change in behaviour

Concerning change in behavior following exposure to sexually explicit sites, significant associations were found for gender (p=0.001), education (p=0.039) and frequency of Internet use (p=0.001). Males (34.9%) were more likely than females (10.8%), those in secondary schools (42.2%) and those out of school (31.6%) were more likely than those in tertiary institutions (25.5%) while frequent users (41.3%) were more likely than other subjects (23%) to experience a negative change in sexual behavior. There were no significant associations for age (p=0.791), ethnicity (p=0.787), age at first Internet use (p=0.738), religion (p=0.428) and parents' highest educational level (p=0.156). (Table 4.8)

Logistic regression of change in sexual behavior noticed on variables showed that thinly users were twice more likely (95% C1 OR = 1.168 - 3.497) and males were about 2.8 times more likely than females (95% C1 OR =-1.245 - 6.465) to have a change in sexual behaviour (fable 4.9)

Table 4.8: Relationship between reported negative change in sexual behavior following exposure to pornography and respondents' characteristics

	Naticed any neg	athe change in				
	sexual behavior	since exposure				
	to pornography					
artable	Yes (%)	No (%)	Tutul	Chi square	P sulue	
Are (years)						
20	22(31 0)	49(69.0)	71	0.071	0 791	
20-	66(29.3)	159(70 7)	225			
Genda						
Female	7(10.8)	58(89.2)	65	14 196	0001	
Male	81(34 4)	151(651)	232			
Literaty						
Yeruba	69(30.3)	159(69 7)	228	0.07)	0.787	
Others	20(28 6)	50(714)	70			
Education					11.030	
Secondary	27(42 2)	37(57.8)	64	6 46	U 039	
Tertiary	50(25.5)	146(74.5)	196			
Out of school	12(31.6)	26(68.4)	38			
Age at first interest	use					
(years)			78	0.606	0 736	
15	23(29.5)	55(70.5)	150			
13-19	42(28.0)	108(72.0)	63			
20+	21(33-31	42(66.7)	- 00			
Religion		182(71-1)	256	0.629	0 28	
Christianity	74(28.9)	28(65.1)	43			
Man	15(34.9)	Salasas				
Highest educational for	vel of				0.156	
parents/guardian		19(65.5)	29	3311	0.130	
Browning	10(34.5)	78(60.7)	63			
Secondary	25(39/7)	191(72.9)	1335			
Tomary	(1(27.1)					
Frequency of interest of				ju/64	0.001	
	2274	6109.71	185	4-1		
	43(23.0)	141177.01	133			

Table 4.9: Logistic regression analysis of reported change in sexual behavior on variables

Variable	Odds ratio	95% (1()R	P value
Frequency of use			1 value
Daily users versus others	2.020	1 168 -	0.012
		3.497	
Gender			
Male vs female	2 8 3 7	1 245 -	0.013
		6 465	
Educational status			
Out of school versus secondary	0.55%	0 233 =	0.190
Out of school versus tertiary	1.484	1.335	0317
		0.685	
		3,216	

### Outcomes of pornographic exposure

them anxious to learn about sexuality, 23 3% have the tendency to practice what was seen

the association between reported practice of contents of sexually explicit sites and respondents characteristics is shown in Table 4.10. Frequency of internet use was significantly associated with practice (p=0.024) with 26.7% of daily users compared with 15.5% of those who use the internet less frequently reporting ever practicing what they view on the internet There were no significant associations for uge (p=0.357), gender (p=0.134), ethnicity (p=0.744), education (p=0.088), age at first internet use (p=0.297), religion (p=0.241) and parents' educational status (p=0.713).

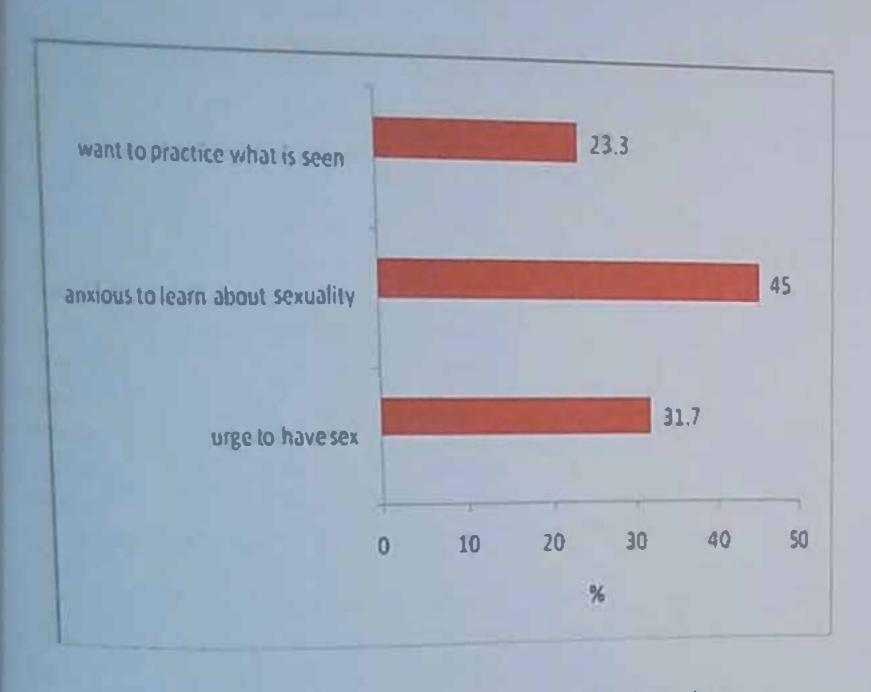


Figure 4.3: Outcome of respondents' exposure to pornographic sites

Table 4.10: Relationship between practice of contents of purnographic site and respondents' demographic characteristics

	Practice	כסיוניוט טר				
	pamographic site					
Variable	Yes (95)	No (%)	Total	Chi square	Danto	
(ge (years)				Sitt aduate	P.value	
20	11(15.5)	60(84 5)	71	O Ver	45.4	
20+	44(20_5)	171(79.5)	215	0 850	0.357	
bender		171(172)	213			
Female	8(129)	54(871)	62	2211	0.00	
Male	48(2) 4)	176(78.6)	224	2 241	0.134	
labacity	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	110(100)	22.7			
Varuba	42(19.1)	178(80 9)	230	0.106	0.744	
Olbeis	14(20 9)	53(79.1)	67	V *UK3	0.044	
Edocation		3,000				
Menadar	18(29.5)	43(70.5)	61	4.866	U UXB	
Tertiary	12(17.0)	156(83.0)	188			
Out of school	6(16.2)	11(83.8)	37			
Age at first internet use						
()cars)						
*15	16(21.1)	60(72 9)	76	2.427	0 :97	
15.19	23(16.0)	[21(\$4.0)	144			
20-	13(25.0)	45(75.0)	60			
Religion	A COLUMN TO A					
Christianity	44(18.0)	201(82.0)	245	37.6	0.341	
Islam	(1(25.6)	32(74.4)	43			
Highest estocational level of						
Preme guarding	•				W. W. S.	
Primary	4(14.8)	2505.21	27	0.675	0.713	
and the second s	11(18.0)	50(82.0)	61			
ler up	18(20.9)	544(79.7)	192			
Property of fater net was				5.004	5.624	
U <sub>a</sub>			101			
Law frequently	27(15.5)	(42)84.73	174			

# Association between exposure to purnography and sexual practices

Exposure to pornography on the internet was cross-tabulated with selected sexual behavioural practices and the findings are shown in Table 4.11. There was a significant association between visiting pornographic site and having multiple sexual partners (p = 0.023). About  $12^{\circ}$  of those who had visited pornographic sites compared to 3.7% of those who had not visited such sites reported having multiple sexual partners. There were no significant associations between visiting pomographic sites and practice of oral sex or homosexuality (p = 0.256) and experiencing rape (p = 0.720).

Table 4.11: Association between exposure to pornography and sexual practices

Sexual hehaviour	Visit pornographic sites		Total	Chi square	P value
	Yes (%)	No (%)			- violate
Practice oral sex or					
homosexuality					
Yes					
No	7(21.2)	53(13.9)	60(14.5)	1 201	1) 25/
	26(78.8)	327(86.1)	353(85.5)		0.256
Multiple sexual partner					
Yes	4(12.1)	14(3.7)	18(4.4)	5 185	0.023
No	29(87.9)	366(96.3)	395(95.6)		
Experienced rape					
ifemales anty)					
Yes	1(3.0)	7(2.6)	8(2.7)	0.129	0.720
No.	25(96.2)	258(97.4)	283(97.3)		

# Activities related to on-line chatting

Table 4.12 shows the distribution of variables related to on-line chatting. The favourite chatting topic was relationships accounting for 51.9%). Seventy seven percent ever used instant message or online chatting. I wenty-eight percent had been chatting for about 2 years and 27.7% for 3 years or more. The most common partner was one in the same age range (39.3%). About 14.8% claimed they pretend to be someone else when dating on line white the single longest chatting time in the past one week was mostly 30 minutes to one hour (55.3%).

Table 4.12: Practices and duration of activities related to online chatting by respondent

Variable	Frequency	
Ever used instant message or chatting	1 reducited	<b>%</b>
Yes online		
No	318	77.0
Period for which chatting has been going on	95	23.0
Less than I manth		
1-6 months	<b>47</b>	14.8
1-2 years	80	25.2
3 year or more	80	28 0
No tempore	80	27.7
	14	4.4
Relative age of partner		
Sanse age mage	125	393
Older	70	22 ()
	64	20.1
Dun't know	59	186
Sex of chatting partner		
Same sex	114	35 8
Opposite sex	154	48.4
Some sex of apposite sex	50	15.8
Pretend to be sometime else when chatting on		
line	47	14.8
Yes	264	83 ()
No.	7	2.2
No response		
longe t chatting time last one week		***
10 mins - 1 hrs	176	55.3
1.1 - 3 km	72	22.6
Marry Busy 3 hours	42	13.2
Distriction .		***

### CHAPTERINE

#### DISCUSSION

# 51 Socio-demographic characteristics

The high number of internet use among males in the sample is expected as this could be a reflection of cultural norms in Africa setting that females are meant to do domestic works while males exercise much freedom in engaging in social netroties or outing. Again this could also suggest the fact that males were more inclined to technology device than females males being more daring than females in terms of exploration and adventure.

The high prevalence of early age internet users (at ages 15-19 years) in the survey aggreeted at pap in technological advancement when compared with the age of first Internet use in the stern world. In contrast it could be suggested that at this age group adulescents are more inqualitive than other adolescents as such are tree and have more time for leasure and hang out with peers that introduce and engage them to so many activities including internet surfage it could also be that these age groups are at the peak of youthful exuberance when they will in applied experiment new things, want to have identity ete.

Again, the study revealed that about half of the respondents needed assistance when browsing enline which may contribute to the high percentage of first age of interact use between the special of 15-10 years unlike in western world where the children and teen were expose to new technology at early age < 10 years and every child has access to Interact at home. The fact that many reported being assisted when browsing online suggested that young persons we more likely to go online with their peers and the implication is that Internet exposure reperience will be kept to oneself and the tendency to practice what was viewed within clicks will be high just to maintain secreey. This could also in turn lead to withdraw from family ties, will be high just to maintain secreey. This could also in turn lead to withdraw from family ties, loss outcom and, vulnerability to risky behaviour.

High number of respondents assessing internet at cyber case can be seen as normal or expected considering the texel of poverty coupled with the unstable and unreliable power supply in the sounty. This could suggest why young persons prefer cyber case where they have nhermative power supply. It could also he due to unaffordable cost of acquiting personal inprop and internet facilities for use at home. High accessibility of internet at eyber case could also he for social networking which agreed with one of the findings in this study that about two thirds of respondents' source of information about internet were literals.

Prevalence of internet use from study is relatively on the high side. Though the young people are trying to need up with the trend but about half of respondents using Internet at least once daily a rather on the high side considering cost, time, accessibility and convenience However, the limitation surrounding prevalence of use may suggest why about half of respondents pent between 30mins-1 hr when the go online.

## 5.1.2 Internet activities

Considering the activities young people engaged in when online, it is rather disappointing that the least mentioned subject about which information is obtained is on reproductive health. This needs further investigation on where these young persons source information on reproductive health. This poor level of enthusiasm towards health issues could indicate that young people believe that their health and health related issues are basically their parents guardians problem to think about. It could also be that health related sites were not teen triendly that is, less because and animation, too many use of medical terminology, choice of words not simple that for easy understanding. This could also suggest why most of young people prefer to go that a sending, reading mails and probably go online chatting where they may likely seek for the relationships, health and health related issues from stranger (Os akinle et al. 2009).

Dissupports available evidence from research that indicates that many children less than 16 years of age were exposed to persography prior to widespread Internet availability (McKee, Albury and Lasuley 2008; Internet Porn Statistics, 2003), Smaly by Cheryl (2007) also revealed that the receipt age of a child when first expound to Internet pornography is 11 years old with the

tagest consumers of pornography in America being the 12-to-17-year old group of eight to 16-year-olds has viewed pornography online, most while doing homework

The fact that the highest proportion of the adolescents did not share experience they had on the intenet with anyhody does not portend well for these adolescents as this may predispose them to the practice of unhealthy sexual practices which may have otherwise been corrected if parents knew about them. The adolescents would rather share with friends of the same sex predisposing to wrong peer influence.

# 5.1.3. Factors effecting internet exposure

According to the study gender is one of the variables that affect pornagraphy exposure. This is not different from existing research that suggested gender as intervening variable in moderating the effect of exposure to pornographic content (Donnerstein and Smitt. 2001). This regreted why more male visits pornography sites that female (Lo and Wei, 2005). Males tepor attitudes more positive toward pornography from an early age than females (Carroll et al. 2008; Wallimyr and Welin 2006). In contrast, Joung females usually have very negative attitudes toward pornography at early age. Increasingly more positive attitudes emerge with age among young people (Chiemeke et el. 2007). By their tind-20s, males and females may also differ from females in how they prefer to engage with pornographic media. Though media-usage persons change rapidly, males in many cultures are more fixely than females to seek penagraphy on line, with females demonstrating greater attraction to regulated markets, e.g., videos (Hood and Hamilton 2003; Wallings and Welin 2006).

This high rate of unintentional exposure to pornographic sites (s not far-fetched. This high rate of unintentional exposure is not different in other parts of the world (Wolab et al. 2006). Firstly, Nigeria like every other developing country has little or no security measures about such attes. In Nigeria, there is no legal deterrent to put cyber operators and offenders in their Nigeria has only a bill (NCWG, 2005) that is not being enforced. Again, low percentage their Nigeria has only a bill (NCWG, 2005) that is not being enforced. Again, low percentage to instantional exposure to pernographic sites was not exposure to readily available to provide to be descented openly in this pair of Africa which the Internet is readily available to provide to be ground openly in this pair of Africa which the Internet is readily expected relatively high

percentage of intentional exposure to pornographic sites. Again, these are young persons that are curious, inquisitive to know and experiment at all cost Hence, having been exposed, teems demonstrate willingness to engage or to disengage based on their perceived capacities and desires (Livingsione & Bober 2003)

gardicant proportion of those who sumble on the pornographic sites will glonce through be one closing the page while very few respondents will numinize and view later. The relative feed in to view the pornographic material suggests the poor restriction of these sites at the

# 5.1.4. Internet purnography exposure and its outcome

comographic materials on the Internet for gender and frequency of Internet use Females impared to males were more likely to react negatively to such exposure and more frequent users were more likely visit pornography sites intentionally. The gender difference in action taken on exposure to pornography has been reported by many authors (Adebayo et el 2006). Simmilian et el 2003, Prasertsawat and Peteljium, 2004).

traplent sites. And a significant association between visiting pomographic site and having multiple sexual pagents association between visiting pomographic site and having multiple sexual pagents. Researches indicates that sexual behavior can be sequired through exposure to pomography and sexual models on the Internet through initiating and copying of each acts (Adebayo et el. 2006; Inyang 2008; Omotunde et el 2008; Odeyemi et el 2009). Greater exposure translates to a greater intention to have sex but pernography may be more influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeriburg, influential than other media in shaping notions of acomen as sex objects (Peter & Valkeri

pomography site than other respondents and males more likely than females to experience change in sexual behaviour. This is consistent with previous studies that have found gender and linemet use to be predictive of sexual attitude and behavior orientation of young adults.

(Brown of 2 20(6))

# 5.1.5. On line chatting

In this study, more than half of respondents who ever had online chaning admitted discussing relationships with strangers met online. High percentage of young persons seeking online relationships agrees with the study by Hertlein (2006) on Internet infidelity which is of the option that people are using the Internet more frequently to form friendships and romances and to initiate mordinate affairs. Low use of Internet by respondents to surf for current affairs could be that such issues were not stimulated in schools and at homes so young people do not consider it worth spending their borrowed or saved money when online

Finally result from study showed that parents do not tend to communicate accountry with younger people due to cultural practices or high level of poverty in the country where parents are more particularly concerned about day to day survival. Hence, the adolescent might rely on other source for information about sex. This study also looked at whom young person share that portugraphy exposure with A major concern of internet portugraphy exposure is that than half respondents share their pornography exposure experience with nobody. Only the similicant number of respondents had ever discussed exposure experience with particular manifest in many undermine physical emotional and psychological wellbeing that share quality anxiety, confusion poor social bonds and addictions). In addition, addition, the change relationships and forter sexual violence (Zilliman 2000, Jensen and Okrina 2004).

This study has found a relatively high prevalence of Internet use with most respondents bending and receiving mails. Percentage of wanted pornography exposure was relatively low to pared to unwanted pornography exposure. There was a high rate of unintentional exposure of prenography sites while gender and frequency of internet usage were significant predictors of themes in sexual behaviour following exposure pornography sites.

# IMPLICATIONS OF FINDINGS FOR HEALTH PROMOTION & EDUCATION

The internet has an unlimited array of porno-graphic material that is changed and appended on regular basis. Some of these Web sites may reinforce negative societal stereotypes around sexuality particularly as it relates to casual sex (Lo and Wei. 2005)

Interior plays an important role in the sexual socialization of adolescents and has greater effects of such use on sexually permissive behavior. When users interact with the Interior as a sexual medium, the interactive features of pornographic materials enable them to seek, natigate and download such materials for viewing. As such, use of the Internet porn becomes sexual and has potential implications for adolescent sexual relationships, such as number of pattners, ratio myth, oral sex and substance use (Peter & Valkenburg, 2006). Given its expanding nature and accessibility, Internet may be in the firefront of healthy sexual education.

propriate services related to sexuality, along with posture expectations and sound preparation for their future roles as partners in committed relationships and as parents. Providing young persons with a small amount of knowledge about media effects can improve their person's health regardless of whether sexually explicit media leads to risky behaviour (Bio in 2006)

Web stes) to which they can guide users and their guardians. Hence, adults need continuing substitute to achieve sexual maturity and to learn to communicate effectively with adolescents to expansion to their sexuality, as well as necessary sexual and teproductive health

In addition, sexual explicit website (SEW) can serve an educational purpose and create an appointment for adults to easing adolescent in discussions about sexual health and companies of internet material a internet is a key part of young persons lives. All sectors are prepared to internet at a time their discussion to educate fourilibration of prepared to internet at time their discussion and encourage responsible sexual behaviour and encourage responsible sexual

## RECOMMENDATION

based on study findings, it is of great important for parents to be educated about the dangers of internet pornography and how to protect their children has become very imperative especially in a country where the struggle for survival keeps parents at work while having little or no time monitor what their children do with the Internet at home, in their schools and other Internet

children sections in order to take advantage of technologies for content selection. While some computer terminals can be dedicated to access all forms of contents others for children teenagers usage can be enabled to access contents that are purely healthy for children teenagers' age group consumption. The responsibility of mountoring Internet contents being consumed by cluldren and young people at home rests with parents and guardians. Content channeling/selection technologies and filters can be used as un aid to moderating contents viewed by children/teenagers at all Internet access points. In schools, students can be allocated user and password IDs. These passwords and IDs can then be configured and usable only on systems that have been conditioned using filters and content selection technology for web contents that are healthy for the consumption of children and teenagers.

Adequate enlightenment is required to break information and communication gap that exist between patterns and adolescence regarding the use of Internet and content of information. As the new technology continue to spread, it is loqued to suggest that the major patterns of exhermal who are adolescent should be developed and enforced. This is because adolescents have and level of internet access but not necessarily confidence and favourable perception that the information

The National Assembly and Nigeria Cyberenme Working Group saddled with the Positional Assembly and Nigeria Cyberenme and working out pulicies for a safer cyber space and working out pulicies for a safer cyber space.

Should do more than passing bills and erecting warrung posters but cyber laws should be imposed and implemented for combating internet pornography in Nigerian.

## CONCLUSION

In conclusion, this study has shown that there is an association between frequent Internet use and risky sexual behaviour. It also showed that frequent exposure to pornography was a negrificant predictor of young persons' sexual behavior. The Internet is both a source of promise for our children and a source of concern. It offers such an enormous range of positive and educational experiences and materials. However, children online may be valuerable to harm through exposure to sexually explicit materials, adult predators, and peddiers of hate. Therefore, if the full educational potential of the Internet is to be realized for teens, these concerns must be addressed.

collect information from respondents and this method may influence the veneity of answers given by the respondents. This limitation could have been overcome by ereating log in servers where young people use the internet, however this is highly unclined. In addition, birth confidence was not verified to useertain claimed age

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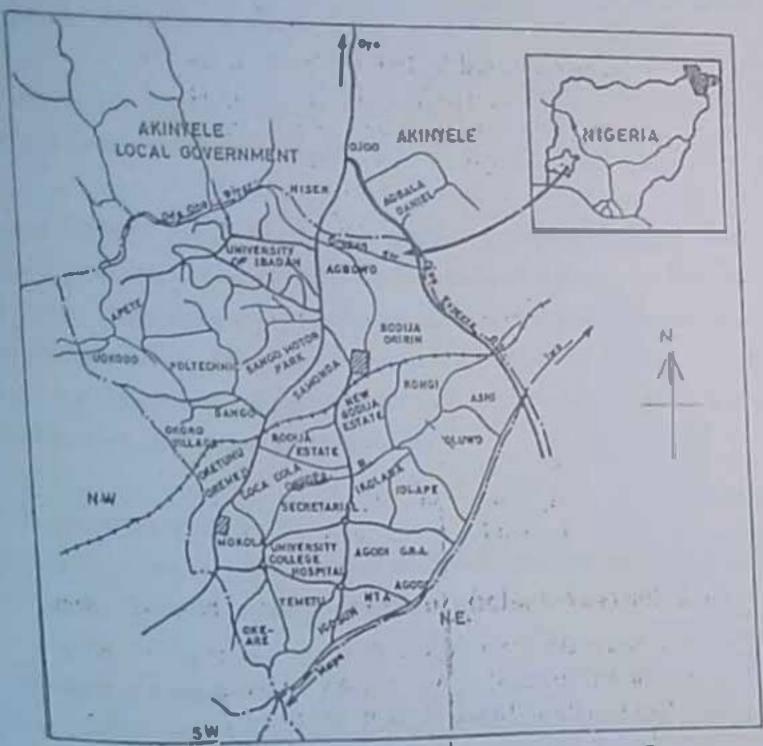
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### APPINDIX I

Sketch map of Ihadan North Local Government Area showing the major communities and neighborhoods



Ibadan North Local Govt. in Oyo State

#### APPLNDIN II

# INFLUENCE OF INTERNET ON THE SEXUAL BEHAVIOUR OF ADOLESCENTS IN IBADAN NORTH LOCAL GOVERNMENT AREA, OYO STATE, NIGLRIA

# Consent form for Survey Respondents

hank of Principal Investigator. Ogbu leyinwa Annie

Name of Organization University of Ibadan

Institute in Heyinwa Arinze and I am a graduate student of the Department of fleath Immotion & Education, College of Medicine. University of Ibadan I am part of a team doing a tesearch study on the influence of internet on adolescent sexual behaviour in Ibadan North Local Government area of Oyo State Based on the lindings of the study, we also plan to de ign and test intervention programmes that will enable policy makers initiate program tarteting adolescents, parents and cyber operators

#### Purpose of the resenreh:

online Internet paraography exposure and its influence on their sexual heliaviour.

#### 2. Duration of the research:

The duration of the research, which you are being requested to participate it is I mount,

#### 3. Procedures

We invite you to take part in this research project and panicipate in the questionnaire. If you accept, you will be asked to participate in the filling of the questionnaire which will be given to you if you do not with to answer any of the que nons posed in the questionnaire, you may my so and can move on to the next question. No one clse but the researcher alone will be present. The information recorded it considered confidential, and no one clse except his lifetimes.

Attaze and her colleague, will have accept to the information documented during the research

#### APPENDIX II

# INFLITNCE OF INTERNET ON THE SEXUAL BEHAVIOUR OF ADOLLSCENTS IN IBADAN NORTH LOCAL GOVERNMENT AREA, OYO STATE, NIGERIA

# Consent form for Survey Respondents

of Principal Investigator Ogbu Reyinwa Arinze

Name of Organization University of Ibadan

Promotion & Education, College of Medicine, University of Ibadan I am part of a team thong research study on the influence of internet on adolescent sexual behaviour in Ibadan Nonh local Covernment area of Oyo State. Based on the findings of the study, we also plan to design and text intervention programmes that will enable policy makers initiate program largeting adolescents, parents and cyber operators.

#### 1. Purpose of the research:

We are planning to carry out a study to know the activities adolescents engaged on when the guardine Internet participants exposure and its influence on their sexual behavious

#### 2. Duration of the research:

The duration of this research, which you are being requested to participate in is I month

#### 3. Procedures

We invite you to take part in this research project and participate in the questionnatic. If you accept, you will be asked to participate in the lilling of the questionnaire which will be given to you if you do not wish to an wer any of the questions poled in the questionnaire. You may say so and can move on to the next que non. No one else but the researcher alone will be present. The information recorded to considered confidential, and no one else except Ms Ifeviriwa.

Attinze and her colleagues will have access to the information documental during the research.

cal macrost your answers to these questions on this questionnaire. This is done so that we call macrost everything that you have told us. Although it is important for the research that we asswer all questions if you do not wish to answer any of the questions included in the server you may ask to move on the the next question. Filling the questionnaire will last for approximately 25 minutes.

# 4. Risks and Discomforts:

that you any teel uncomfortable talking about some of the topics with not with the to happen, and you may refuse to answer any question or not until it. portion of the interview if you feel the question(s) makes you uncomfortable

## 5. Benefits:

Mere will be no direct henefit to you but the information obtained from this study will help to make suggestions that will enable the researcher develop appropriate programme for levents on Internet safety

#### 6. Benefits;

You will not be provided with any incentives to take pan in the research.

## 7. Contidentiality:

We have taken the following steps to ensure that you are safe and that the information you provide a confidential

- I tiling of questionnaire will take place in a privately
- 2 The information that we collect from this research project will be kept
- information collected from you will be stored in a file that will not have your name on it but a number assigned to it instead
- The questionnaire containing the interview will be stored for the duration of 2.

  You may take a de troyed
- You may talk to the leader of the research team in case you have any concern or

#### Alternative to participation:

The distribution of the part in the research if you do not wish to do so. Even if you do not make the study. You may stop the interview at any time that you wish, and there will be no negative consequences for you in any way.

#### APPENDIX III

#### RUST ARCH QUESTIONNAIRE

Instruction of Internet un the sexual behaviour of Adulescents in Ihadan North L.G.A., Oso State

Der Repondent

them is Heyman Armae Oghu, a student of the Department of Health Promotion and Education Faculty of Public Health, College of Medicine, University of Ibadan, I am ordinating a tudy on internet use among online adolescent

wish to inform you that there is no right or wrong answer to the questions Please, be informed that participation is voluntary. Your identity, responses and opinions will be kept confidential and no name is required in lilling the questionnaire. Please try as much as possible to give honest responses to the questions. You are free to ask questions as the interview progresses. Your honest response is required to assist in this study.

Thank you

Instruction: Please tick (x) the appropriate place as applicable to you and endeavour to answer all the que tions as honest as possible. Thank you for your participation

SECTION (A)	(Demographic characteristics)
1. Age (at last but	nhduy)
3 Ethnicity (1)	Hausa (2) Mate (3) Yoruba
(4)	Others specify  Miniment (1) Printer (2) ISS (3) SSS [3]  (4) Terrary (5) Out of school [3]
c Parents Cum	Christianits (2) Islam (3) Other pecity rdian in the clevel of education? (1) Francy (2) Second (3)

SECTION B (Overall activity and l'ractice)
Tage at first internet use?
How did you know about internet? (a) Friends (b) In School (c). Magazine (d) Television (e) Club
How long have you be using internet at home?
a less than 6 months (b). 6 months - Lycar (c) 2 - 3 years
(d). More than 3 years (e). Never use at home
% at School?
(b). 6 months — 1 year — 2 - 3 years —
(d) More than 4 years (e) Never use at school
ge at Cyber cafe
(a) Less than 6 months [ ] (b). 6 months - Lyear [ ] (5,2 - 3) ears [
(d). More than 4 years (e). Never use at cyber café
10 Were you being assisted when browsing/online?
(1) Yes (2). No (
(If Yes answer question 11, if No go to 12)
11 Why were you being assisted?
15
12 How long do you spend on internet at each visit?
(1) 30 snins - 1 hour (2) 2 - 3 hours (3) More than 3 hours (4) 13 flow often do you use internet daily? (1) Once (2) Twice-thrice
(3) More than 4 times
(3) 2-3times in a week (4). Stimes in a week
15 Tick activity(s) you engage on when you go to the Internet
a - Play online gume
b- Info about current events
c · Online shopping
d Health info
e - Info on teproductive health
f - Info on body development/dicting

8- 2	and or read mail
her in	to about prespective school to stend
	the extra complete pornography site
	eserch home work
	Download music
1= 5	icek religious mis
	Jaline chatting
	Sharing of photos
	Joh search
	Others specify
16 Da you	think that intermet provides all the information you need?
	Yes (2) No
SICIIO	(pornography exposure)
	you ever stumble into pornography site without going to the website?
(1)	Yes (2). No [3]
	frequent do you come across pornographic pictures when online without visiting th
W	ebsite? (1). Regularly (2) Occasionally (3) Never Seen [3]
19. Wh	at's your reaction each time you stumble into pornography explicit cexual materia
	then online? (1) Close immediately [ (2) Glance through & close [
	(3) Minimize and view later
20 Fac	h time you stumble into pornography site or visit parnography website, who do you
	ion your expensive and materials seen with
	Friend (same sex)
	Parent grandlin — Nabody
	but you at ontime reflect on the parmographic pictures seen when you were online.
	(1) Yes [ (2) No [ ]

22 Sine after exposure to the postagaphic pactures pumped into or pornography website
with have you observed any changes in your sexual behavior penception?
(if Yes go to? 24, if No go to? 25)
What changes have you been observing in your sexual behaviour?
(a) Urge to have sex each time you come across explicit sexual materials
(b) Auxious to learn more about sexuality
Want to practice most of the things seen in the explicit sexual materials with
patner(s)
24 liave you at anytime practice what you saw from pomography site or any other adult site
(1) Yes (2) No (3)
25 Which of this practice(s) have you engaged in since your first exposure online?
* Smoking/Drugs
b lattoo
c. Oral Sex
d Homosexual
e Group sex
f Drug abuse
g Multiple Sex Partners
h Rape
26. Was the practice designed to imitate someune role model?
(1) Ye (2) No (1) Yes go to? 27, if No go to? 28)
27 How do you get to know about this person/model?
l Internet
2 Magazine — — — — — — — — — — — — — — — — — — —
3 Club
4 Friend
Others Specify

## SECTION D (SOCIAL ADJUSTMENT)

28. Have you ever used instant message or online chatting on the internet?
(I) Yes (2) No. (2) No. (if No, thanks for participation on this study)
29. Who initiated the chatting?
30. How did you get to know your chatting partner?
(1) Internet (2) A Friend (3) Magazine (4) Others Specify
31 For how long have you been chatting online? (1) Less than 1 month
(2) 1- 6months (3), 1- 2years (4), More than 2 year
32. What is the relative age of partner? (1). Same age range (2) Younger age
(3). Older (4). Don't know
33. What is the sex of your online chatting partner(s) (1). Same Sex [ (2) Oppnsite Sex [
34 Who do you pretend to be when you go online chatting?
(1). Someone older (2). Younger (3). Another gender
(4) Real self
35. Why do you pretend when you are online? ————————————————————————————————————
36 What is your single longest chatting interaction in the last I week?
(1) 30mins - 1hr (2), 1hr 30mins - 3hrs (3) More than 3 hours
37 What is your single longest charting interaction in the last 1 month?
(1) 30mins – 1hr (2) 1hr 30mins – 3hrs (3). More than 3 hours (
38. What is the favourite chatting topic when you are unline with your partner?
(a). Top Starts around the world
(b) Relationship
(c) Sex and gender
(d) Fushion & Style
(c) Diets & Fitness
(I) Drugs
There specify

Thank you.

## SECTION D (SOCIAL ADJUSTMENT)

18 Have you ever used instant message or online chatting on the internet?
(1) Yes (2) No. (2) til No, thanks for participation on this study)
29. Who initiated the chatting?
30. How did you get to know your chaiting partner?
(1) Internet (2) A Friend (3). Magazine (4). Others Specify—
31. For how long have you been chatting online? (1) Less than I month
(2) 1-6months (3) 1-2years (4) More than 2 year
What is the relative age of partner? (1) Same age range (2) Younger age
(3) Older (4) Don't know
33 What is the sex of your online chatting partner(s) (1). Same Sex (2) Opposite Sex
34. Who do you pretend to be when you go online chatting?
(1) Someone older (2), Younger (3), Another gender
(4) Real self
35. Why do you pretend when you are noline?
36 What is your single longest chatting interaction in the last 1 week?  (1) 30mins – 1 hr (2) Har 30mins – 3hrs (3) More than 3 hours (1)
(1) 30mins - 1 hr (2) this solution in the last 1 month?  37. What is your single longest chatting interaction in the last 1 month?
(1) 30mins - 1 hr (2) 1 hr 30mins - 3 hrs (3) More than 3 hours (
38 What is the favourite chatting topic when you are online with your partiter?
(a) Top Starts around the world
(b) Relationship
(c) Sex and gender
(d) Fashron & Style
(c) Diets & Fitness
(1) Orugs

Thank you.