### Research Article

# **Exposure to Sex Education and Its Effects on Adolescent Sexual Behavior in Nigeria**

## Uyi E. Osadolor (), Emmanuel O. Amoo, Dominic E. Azuh, Ikono Mfonido-Abasi, Christian Philip Washington, and Oke Ugbenu

Demography and Social Statistics, Department of Economics & Development Studies, Covenant University, Km 10, Idiroko, Ota, Nigeria

Correspondence should be addressed to Uyi E. Osadolor; uyiosadolore@gmail.com

Received 25 October 2021; Accepted 7 May 2022; Published 1 June 2022

Academic Editor: Antonella Arghittu

Copyright © 2022 Uyi E. Osadolor et al. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Sexual behavior during adolescence fundamentally steers the future life of both girls and boys, and it should be guided with appropriate education, especially as it also represents a key factor to be considered in attainment of sustainable developmental goals. The study assessed the effect of exposure to sex education on adolescents' sexual behavior. The primary and cross-sectional survey data used for this study were analyzed using basic descriptive statistics and binary logistic regression analytical technique. The results, among others, highlighted that the most common sources of first sex education among the respondents are school (54.6%), family (21.6%), social media (9.5%), and others like television (7.6%) and books or magazines (4.9%). Frequency of discussion on sexual matters is positively associated with the use of protection such as condom ( $\beta = 0.261$ ;  $p \le 0.01$ ). The study gave support to the increasing pursuit of sexuality education. However, since adolescents' needs could vary by demographics, streamlining sex education need by age and sex characteristics could enhance its effectiveness.

#### 1. Introduction

Sexual behavior during adolescence fundamentally steers the future life of both girls and boys. It should be guided with appropriate education, especially as it also represents a key factor in the attainment of sustainable developmental goals. It is estimated that over 21 million adolescents aged 15–19 years get pregnant annually in low economies [1–3]. At the same time, over 50% of them give birth, excluding additional 777,000 adolescents that are less than 15 years who give birth in developing countries [4]. The health issues and consequent challenges associated with sexual lifestyles and behavior among adolescents are enormous. It is reported that over 3.9 million girls between the ages of 15 and 19 carry out unsafe abortions annually worldwide [5]. Other literature indicates that young people aged 10–19 represents relatively 4% among the population living with HIV infection [6].

Although Africa does not have the largest number of adolescents globally, adolescents make up the most

significant proportion of the population of the sub-Saharan African region, with relatively 23% of the region's population aged 10-19 years [7]. In sub-Saharan Africa, nearly four times as many girls aged 10-19 were infected with HIV than their male counterparts in 2018 alone [7]. Specifically, adolescent sexual behaviors have been linked to a number of life events, and several health challenges, for example, early pregnancy, risks of pregnancy-related mortality, delivery complications, infant mortality, adolescent fatherhood, and school dropout [8,9]. Sex education therefore portends greater potential in preventing and reducing these risks [8,9]. Sex education could enlighten the adolescent on the avoidance of pregnancy, HIV, other sexually transmitted infections, including other chronic health conditions and disabilities that are linked to adolescent sexual behavior [8-10]. Thus, constant assessment of sexual education among adolescents cannot be overemphasized.

Every year, approximately 20 million new cases of sexually transmitted diseases are reported with 50% of the

cases occurring among adolescent aged 15–24years [11,12]. It has also been estimated that 25% of all sexually active female adolescents have experienced one or more forms of sexually transmitted infection, with the most common as human papillomavirus and *Chlamydia trachomatis*. Sexually transmitted infections have established as major cause of morbidity among women and men that has potential for high risk human papillomavirus (hrHPV) infections which in chain-like reaction could spur cervical cancer [13]. While the identification of STIs as co-factor of cervical cancer in most women that are HPV-positive (Martinelli et al. [13]) cannot be treated with levity, the evidence of similar linkage betweenSTD trichomoniasis and prostate cancer [14] should call for serious concern in public health domain. This

amount to health and wellbeing stakeholders. The fact that the rate of sexually transmitted infections is on the increase in both adolescent males and females [11,12] sends a signal that immediate and sustained intervention would be necessary to enhance the future health of the population and economic productivity. It is highly needful that a child receives sex education considering the fact that naivety can breed unwanted outcomes [15,16]. A systematic review study to evaluate the effectiveness of sex education intervention showed that sex education had a positive effect on adolescent sexual behaviour [17].

buttresses the fact that adolescent sexual behaviour that

could trigger sexually transmitted diseases should be par-

Since the approval and introduction of sexuality education policy in Nigeria in 1999 with curriculum modification that teaches sexuality education [18], the efficacy is with mixed results. Till date, there is increasing concern on high rates of adolescent pregnancies and spread of STDs and STIs [19]. The fertility rate of 104 births per 1000 among Nigeria's adolescents' women aged 15-19 is one of the highest in the world [20]. This includes a galloping increase in STDs such as chlamydia, genital herpes, genital warts, gonorrhea, some forms of hepatitis, syphilis, and trichomoniasis with HIV as the most prominent [20]. At 2012, a study on adolescents in the secondary school has reported that 55.7% and 21.9% of boys and girls engaged in masturbation in the study location [16]. A near recent study conducted by the Resource Centre for Adolescence Pregnancy Prevention (ReCAPP) reported that about half of adolescents engage in oral sex and one out of 10 adolescents practices anal sex [21]. The recent trends have made the issues of early sexual debut worrisome in Nigeria and including other sub-Saharan African countries. Amoo [22] reported men's median age at first sex as 18 for Nigeria and Ethiopia and 16 for Zambia while adding that the median age at first marriage for women in Ghana, Kenya, and Zambia is relatively 17 [23]. Similar report by Durowade et al.[19] highlighted that the average age at first intercourse among adolescent as 15 years. In 2003, the Nigerian Association for the Promotion of Adolescent Health and Development (NAPAHD) informed the public that adolescents accounted for 80% of complications during abortion procedures [24]. Considering the conspicuous risk of sexual behaviour and their outcomes among the adolescent gives doubt to the coverage and impacts of sex education in

developing nations, especially in Nigeria where adolescents constitute relatively 22% of the population and the rising wave of STIs among them.

A study conducted in a state in Nigeria showed that less than a quarter of the respondents were exposed to sex education and over two-thirds of them have engaged in early sexual activity [19]. With respect to the various reports of the adolescent sexual behaviour in Nigeria, there seems to be inadequate, inappropriate guidance, although colossal extinction of the 1999 sexuality education policy cannot be confirmed. Lack of education on sexual behavior among the adolescents or its ineffectiveness is inimical directly or indirectly to adolescent education, future engagement in economic activity, and their wellbeing and poverty or wealth level in the country. This study, therefore, aims to assess the exposure to sex education from different media and the varying effects it could have on the sexual behavior of adolescents in Nigeria. This would be essential to quantify health effects and spur prompt interventions or decision to prioritize relevant actions.

#### 2. Materials and Methods

2.1. Study Design, Area, and Period. We conducted a surveybased study among adolescents aged 10 to 19 years who were in their first year across the seven faculties of the Rivers State University in Port Harcourt, Nigeria. A total of 3780 first year university students were registered with the University. Data were collected between March 1 and 31, 2021.

2.2. Sample Size Determination and Sampling Procedure. The theoretical sampling frame used was the 3780 number of first year students reportedly registered as obtained from the university registry. We therefore calculated the sample size adopting the sample size determination method of Taro Yamane as adopted by Adekola et al. [25]. Using a sampling error of 0.05, the computation yielded a sample size of 362. The study employed the use of simple random sampling in order to select adolescent participants (aged 10–19 years) during the study period. Lecture schedules (timetable) were followed as guide, and random selection of respondents was conducted among volunteered students in randomly selected lecture rooms.

2.3. Study Variables. The dependent variable is a variable of sexual indicator measured as "having sexual partner." Sexual behavior refers to experiences and expression of sexuality and conceptualized in this study as "having sexual partner." The independent variables were socio-demographic factors such as age, gender, religious affiliation, education attainment, usual place of residence, and parental factors (e.g., father's occupation, mother occupation, respondent's living arrangement, and parent's education). The intervening variable for this study was the exposure to sex education.

2.4. Data Collection Procedures. Data were collected from the sampled population through the use of a self-

administered questionnaire. The study participants were educated on the objective and purpose of the study and the likely contribution of the study to the society. Daily filled questionnaires were collected and checked for consistency and completeness. To ensure data quality, data collection instruments were given high emphasis during design, and the questions were pretested. The principal investigator conducted training for data collectors on the methods of data collection. The pretesting of the questionnaires was conducted two weeks before the commencement of the main survey.

2.5. Data Processing and Analysis. The entire questionnaires were checked and entered into the IBM SPSS statistics for analysis. Three levels of analysis were employed, namely, a univariate, bivariate, and multivariate analyses. The univariate analysis was used to profile the socio-demographic profiles of the respondents. The bivariate analysis was used to understand the association between the selected sociodemographics variables and having sexual partner. In addition, the exposures to sex education variables were crosstabbed with having sexual partner. Two hypotheses were formulated for this study and are presented in alternative forms; namely, (1) adolescent background characteristics significantly influence adolescent exposure to sex education, and (2) there is a significant relationship between exposure to sex education and certain sexual behavior among adolescents. Binary logistic regression employed tested the effect of the exposure to sex education on having a sexual partner, and the effect of socio-demographic characteristics on having a sexual partner. The adjusted odds ratio at a 95% confidence interval was adopted to determine the strength of association between the dependent and each of the independent variables.

2.6. Ethical Consideration. Ethical clearance was obtained from Covenant University Health Research Ethics Committee (Ref: CHREC/061/2021). The official letter that explains the objectives, rationale, and expected outcomes of the study was written to the Chairman Health Research Ethics Committee, Covenant University. Prospective respondents who were under legal age (<18 years old) were introduced to the assent form while consent forms were dully approved by supervising faculty of the department or lecture coordinators. However, students whose parents could be reached were contacted through phone calls for permission. The aim of the study was explained to all participants, and assurance was given on confidentiality of their responses and anonymity in publication of the reports of this study. We omitted any personal identifier from the questionnaires and maintained confidentiality of information also in this study.

#### 3. Results

3.1. Demographic Characteristics of Respondents. Out of the 362 randomly selected adolescents, useable questionnaire was 345 (implying a response rate of 95.3% and an attrition

rate of 4.7%). Relatively, 60% of the participants, 206 (59.7%), were females. The mean age was 17.80 ( $\pm$ 2.65) years, and the majority of them, 265 (76.8%), were in the age group of 15–19 years. Above two-thirds of them, 239 (69.3%) belonged to nuclear family structure, and 262 (75.9%) lived with both parents. Results on the selected parental information show that 42.0% and 43.8% of adolescents have fathers and mothers who had attained secondary level of education, respectively (as shown in Table 1). More than half of the mothers, 59.8%, engaged in trading/services, while 44% of their fathers were civil servants (Table 1).

3.2. Adolescents' Knowledge of Sex Education and Sexual Practices. Four-fifths of the respondents had discussed or read certain things on sexual matters. However, relatively half of the respondents have discussed sexual issues with relations or parents as shown in Table 2. Most respondents reported they are not frequently discussing/reading sexual matters; 90.8% have heard or read about sex education, but only 4.6% indicated they have a good knowledge of sex education as shown in Table 2. Relatively, 54.6% indicated that they first heard or read about sex education from the school. More than half of the respondents knew about STIs (95.3%), and almost half (44.6%) have knowledge of sexual activities (Table 2). Two hundred fifty-five (80.7%) know about oral sex, 58.3% know about anal sex, and 72.4% know about masturbation. Further analysis revealed that 81.2% of adolescents are aware of contraceptive use, as shown in Table 2.

3.3. Adolescents' Sexual Behavior and Experience. Less than half of the respondents, 140 (41.9%), had experienced sexual intercourse. Relatively 13.8% of the respondents below the age of 14 have had sexual intercourse, while 51 (15.3%) respondents aged between 15 and 19 years have had sexual encounters. Out of all the respondents who had engaged in kissing, vaginal, and anal sex, only 105 (34.1%), 126 (60.1%), and 264 (93.3%), respectively, have never engaged in any of the above sexual practices.

Questions on where their first sex experience took place revealed that 57 (42.9%) had their first sexual experience in their partner's houses, while 96 (77.4%) of respondents had between one to two sexual partners, and condom 73 (67%) was the most used type of contraceptive. 11 (47.8%) of the respondents aged 17-18 years had been pregnant or had impregnated someone as shown in Table 3.

3.4. A Binary Logistic Regression Illustrating the Interrelationship between Having Sexual Partner (Dependent Variable) and Selected Demographic and Exposure to Sex Education Variables. The first hypothesis tested the interrelationship between having sexual partner (dependent variable) and selected demographic and exposure to sex education variables. Binary logistic regression was employed with a binary coded dependent variable (having sexual partner) as dependent variable. The independent variables include respondents age, gender, usual place of residence, educational

TABLE 1: Demographic characteristics of respondents.

Selected variables	Frequency	Percent
Place of residence		
Urban	310	89.9
Rural	35	10.1
Total	345	100
Age group		
Below 15	80	23.2
15–19	265	76.8
Total	345	100
Father's occupation		
Farming/others	76	22.4
Trading/services	114	33.6
Civil servants	149	44
Total	339	100
Gender		
Female	206	59.7
Male	139	40.3
Total	345	100
Living arrangement		
Both parents	262	75.9
Father only	13	3.8
Mother only	38	11
Other relations	32	9.3
Total	345	100
Family type		
Nuclear	239	69.3
Extended	106	30.7
Total	345	100
Religion		
Christian	331	95.9
Islam	10	2.9
Others	4	1.2
Total	345	100
Mother's occupation		
Farming/others	37	10.8
Trading/services	205	59.8
Civil servants	101	29.4
Total	343	100
Mother education		
Primary/none	91	26.4
Secondary school	151	43.8
Higher institution	103	29.9
Total	345	100
Father education		
Primary/none	77	22.3
Secondary school	145	42
Higher institution	123	35.7
Total	345	100

attainment, father's and mother's occupation, discussion/ reading on sexual matter, family type, indicators of discussion of sexual issues (parents, relations), and read sexual matters. Discussion on sexual matters at any every level as captured in the study is significantly negatively related to having sexual partner ( $p \le 0.05$ ).

Respondents aged  $\leq$ 14years are 0.2800 times less likely to have a sexual partner compared to older respondents aged 15–19 (B = -1.23; OR = 0.28). Respondents who discuss sexual issues with parents are 3.93 times more likely to have a

TABLE 2:	Adolescents'	knowledge	of	sex	education	and	sexual
practices.							

Discussed sex issues with relations         Yes         170         50.0           No         170         50.0         170         50.0           Total         340         100         Discussed sex issues with parent         43.8           No         191         56.2         Total         340         100           Knowledge of STIs         ************************************	Selected variables	Frequency	Percent
Yes         170         50.0           No         170         50.0           Total         340         100           Discussed sex issues with parent         Yes         149         43.8           No         191         56.2         Total         340         100           Knowledge of STIs	Discussed sex issues with r	relations	
No         170         50.0           Total         340         100           Discussed sex issues with parent         43.8         No           Yes         149         43.8           No         191         56.2           Total         340         100           Kes         303         95.3           No         15         4.7           Total         318         100           Oral sex	Yes	170	50.0
Total         340         100           Discussed sex issues with parent         149         43.8           No         191         56.2           Total         340         100           Knowledge of STIs         100           Yes         303         95.3           No         15         4.7           Total         318         100           Oral sex         101         1316           Yes         255         80.7           No         61         19.3           Total         316         100           Read/heard of sex education         100         Read/heard of sex education definition           High         9         4.6           Average         62         32.0           Low         123         63.4           Total         194         100           Knows masturbation         100         Knows masturbation           Yes         231         72.4           No         88         27.6           Total         319         100           Discuss or read on sex matters         100           Kes         131         44.6           <	No	170	50.0
Discussed sex issues with parent         Yes         149         43.8           No         191         56.2           Total         340         100           Knowledge of STIs         ************************************	Total	340	100
Yes         149         43.8           No         191         56.2           Total         340         100           Knowledge of STIs	Discussed sex issues with p	parent	
No         191         56.2           Total         340         100           Knowledge of STIs	Yes	149	43.8
Total       340       100         Knowledge of STIs	No	191	56.2
Knowledge of S11s         95.3           Yes         303         95.3           No         15         4.7           Total         318         100           Oral sex         ************************************	Total	340	100
res         505         95.3           No         15         4.7           Total         318         100           Oral sex	Knowledge of S11s	202	05.2
No         15         4.7           Total         318         100           Oral sex	Yes No	303	95.3
Total         3.13         100           Oral sex         Yes         255         80.7           No         61         19.3           Total         316         100           Read/heard of sex education         Yes         295         90.8           No         30         9.2         Total         325         100           Knowledge of sex education definition         High         9         4.6           Average         62         32.0         Low         123         63.4           Total         194         100         Knows masturbation         Yes         231         72.4           No         88         27.6         Total         319         100           Discuss or read on sex matters         Yes         231         72.4           No         88         27.6         100           Total         319         100         100           Discuss or read on sex matters         Yes         163         18.8           Total         342         100         Knowledge of contraceptive         Yes         131         44.6           No         163         55.4         100         100         200	INO Total	15	4./
Yes         255         80.7           No         61         19.3           Total         316         100           Read/heard of sex education	Oral sex	510	100
No         61         19.3           Total         316         100           Read/heard of sex education         ************************************	Ves	255	80.7
Total       316       100         Read/heard of sex education       Yes       295       90.8         No       30       9.2         Total       325       100         Knowledge of sex education definition       101         High       9       4.6         Average       62       32.0         Low       123       63.4         Total       194       100         Knows masturbation       72.4       No         Yes       231       72.4         No       88       27.6         Total       319       100         Discuss or read on sex matters       72.4         No       66       19.3         Total       319       100         Knowledge of contraceptive       Yes       276         Yes       272       81.2         No       63       18.8         Total       335       1000         Knows other sexual activities       Yes       131         Yes       131       44.6         No       163       55.4         Total       309       100      School       179       54.6	No	61	19.3
Read/heard of sex education       90.8         No       30       9.2         Total       325       100         Knowledge of sex education definition       101         High       9       4.6         Average       62       32.0         Low       123       63.4         Total       194       100         Knows masturbation       72.4         Yes       231       72.4         No       88       27.6         Total       319       100         Discuss or read on sex matters       72.4         Yes       276       80.7         No       66       19.3         Total       319       100         Discuss or read on sex matters       72         Yes       272       81.2         No       63       18.8         Total       335       100         Knowledge of contraceptive       72       81.2         No       63       15.4         Total       335       100         Knows other sexual activities       74       76         Yes       180       58.3         No       1	Total	316	100
Yes       295       90.8         No       30       9.2         Total       325       100         Knowledge of sex education definition       100         High       9       4.6         Average       62       32.0         Low       123       63.4         Total       194       100         Knows masturbation       """"""""""""""""""""""""""""""""""""	Read/heard of sex education	n	
No         30         9.2           Total         325         100           Knowledge of sex education definition         100           High         9         4.6           Average         62         32.0           Low         123         63.4           Total         194         100           Knows masturbation         Yes         231         72.4           No         88         27.6           Total         319         100           Discuss or read on sex matters         Yes         276         80.7           No         66         19.3         Total         342         100           Knowledge of contraceptive         Yes         272         81.2         No         63         18.8           Total         335         100         Knows other sexual activities         Yes         131         44.6           No         163         55.4         100         Anal sex         Yes         183           Yes         180         58.3         No         100         Anal sex         Intal         309         100           Source of first sex education         School         179         54.6 <td>Yes</td> <td>295</td> <td>90.8</td>	Yes	295	90.8
Total       325       100         Knowledge of sex education definition       11         High       9       4.6         Average       62       32.0         Low       123       63.4         Total       194       100         Knows masturbation       194       100         Knows masturbation       72.4       No         Yes       231       72.4         No       88       27.6         Total       319       100         Discuss or read on sex matters       100         Yes       276       80.7         No       66       19.3         Total       342       100         Knowledge of contraceptive       100       100         Knows other sexual activities       11       44.6         No       63       18.8         Total       294       100         Anal sex       129       41.7         Yes       180       58.3         No       129       41.7         Total       309       100         Source of first sex education       5       5.6         School       179       54.	No	30	9.2
Knowledge of sex education definition         High       9       4.6         Average       62       32.0         Low       123       63.4         Total       194       100         Knows masturbation       72.4       No         Yes       231       72.4         No       88       27.6         Total       319       100         Discuss or read on sex matters       72       80.7         No       66       19.3         Total       342       100         Knowledge of contraceptive       72       81.2         No       63       18.8         Total       335       100         Knows other sexual activities       9       100         Knows other sexual activities       9       100         Anal sex       7       100       24.17         Total       294       100         Anal sex       7       100       26.6         Family       71       21.6       18.3         No       129       41.7       7         Total       309       100       200         Source of first sex education	Total	325	100
High       9       4.6         Average       62       32.0         Low       123       63.4         Total       194       100         Knows masturbation       231       72.4         No       88       27.6         Total       319       100         Discuss or read on sex matters       7       80.7         No       66       19.3         Total       342       100         Knowledge of contraceptive       7       81.2         No       63       18.8         Total       335       100         Knows other sexual activities       131       44.6         No       163       55.4         Total       294       100         Anal sex       129       41.7         Yes       180       58.3         No       129       41.7         Total       309       100         Solnoce of first sex education       100         School       179       54.6         Family       71       21.6         Radio       6       1.8         Television       25       7.6	Knowledge of sex educatio	n definition	
Average         62         32.0           Low         123         63.4           Total         194         100           Knows masturbation         72.4         No           Yes         231         72.4           No         88         27.6           Total         319         100           Discuss or read on sex matters         72.4           No         66         19.3           Total         342         100           Knowledge of contraceptive         88.7         70.1           Yes         272         81.2           No         63         18.8           Total         335         100           Knows other sexual activities         7         Yes           Yes         131         44.6           No         163         55.4           Total         294         100           Anal sex         7         100           Yes         180         58.3           No         129         41.7           Total         309         100           Source of first sex education         5         5           School <td< td=""><td>High</td><td>9</td><td>4.6</td></td<>	High	9	4.6
Low         123         63.4           Total         194         100           Knows masturbation         100           Yes         231         72.4           No         88         27.6           Total         319         100           Discuss or read on sex matters         193         100           Yes         276         80.7           No         66         19.3           Total         342         100           Knowledge of contraceptive         100         100           Yes         272         81.2           No         63         18.8           Total         335         100           Knows other sexual activities         100           Yes         131         44.6           No         163         55.4           Total         294         100           Anal sex         129         41.7           Yes         180         58.3           No         129         41.7           Total         309         100           Source of first sex education         5         5           School         179	Average	62	32.0
Total194100Knows masturbationYes23172.4No8827.6Total319100Discuss or read on sex mattersYes276Yes27680.7No6619.3Total342100Knowledge of contraceptiveYes272Yes27281.2No6318.8Total335100Knows other sexual activitiesYes131Yes13144.6No16355.4Total294100Anal sexYes180Yes18058.3No12941.7Total309100Source of first sex educationSchool179School17954.6Family7121.6Radio61.8Television257.6Social media319.5Magazine/book164.9Total328100Frequency of discussion/reading on sexYery oftenVery often5917.4Not often15144.5Rarely7823.0Not at all5115.0Total339100	Low	123	63.4
Knows masturbation         Yes       231       72.4         No       88       27.6         Total       319       100         Discuss or read on sex matters       9       9         Yes       276       80.7         No       66       19.3         Total       342       100         Knowledge of contraceptive       7       81.2         No       63       18.8         Total       335       100         Knows other sexual activities       7       100         Yes       131       44.6         No       163       55.4         Total       294       100         Anal sex       7       100         Yes       180       58.3         No       129       41.7         Total       309       100         Source of first sex education       5       7.6         School       179       54.6         Family       71       21.6         Radio       6       1.8         Television       25       7.6         Social media       31       9.5         Magazine/	Total	194	100
Yes23172.4No8827.6Total319100Discuss or read on sex matters9Yes27680.7No6619.3Total342100Knowledge of contraceptive100Yes27281.2No6318.8Total335100Knows other sexual activities7Yes13144.6No16355.4Total294100Anal sex7Yes18058.3No12941.7Total309100Source of first sex education5School17954.6Family7121.6Radio61.8Television257.6Social media319.5Magazine/book164.9Total328100Frequency of discussion/reading on sex7Very often5917.4Not often15144.5Rarely7823.0Not at all5115.0Total339100	Knows masturbation		
No8827.6Total319100Discuss or read on sex matters $Yes$ 27680.7No6619.3Total342100Knowledge of contraceptive $Yes$ 27281.2No6318.8Total335100Knows other sexual activities $Yes$ 13144.6No16355.4Total294100Anal sex $Yes$ 18058.3No12941.7Total309100Source of first sex education $School$ 179School17954.6Family7121.6Radio61.8Television257.6Social media319.5Magazine/book164.9Total328100Frequency of discussion/reading on sex $Very$ often59Very often5917.4Not often15144.5Rarely7823.0Not at all5115.0Total339100	Yes	231	72.4
Iotal         319         100           Discuss or read on sex matters         Yes         276         80.7           No         66         19.3         Total         342         100           Knowledge of contraceptive         Yes         272         81.2         No         63         18.8           Total         335         100         Knows other sexual activities         Yes         131         44.6           No         63         153.4         100         Knows other sexual activities         Yes         131         44.6           No         163         55.4         100         Anal sex         100           Yes         180         58.3         No         129         41.7           Total         309         100         Source of first sex education         School         179         54.6           Family         71         21.6         Radio         6         1.8           Television         25         7.6         Social media         31         9.5           Magazine/book         16         4.9         100         100         100           Frequency of discussion/reading on sex         Yery often         59         17.4<	No	88	27.6
Discuss of read on sex mattersYes27680.7No6619.3Total342100Knowledge of contraceptiveYes272Yes27281.2No6318.8Total335100Knows other sexual activitiesYes131Yes13144.6No16355.4Total294100Anal sexYes180Yes18058.3No12941.7Total309100Source of first sex educationSchool179School17954.6Family7121.6Radio61.8Television257.6Social media319.5Magazine/book164.9Total328100Frequency of discussion/reading on sexVery oftenVery often5917.4Not often15144.5Rarely7823.0Not at all5115.0Total339100	lotal	319	100
Tes $270$ $30.7$ No $66$ $19.3$ Total $342$ $100$ Knowledge of contraceptive $Yes$ $272$ Yes $272$ $81.2$ No $63$ $18.8$ Total $335$ $100$ Knows other sexual activities $Yes$ $131$ Yes $131$ $44.6$ No $163$ $55.4$ Total $294$ $100$ Anal sex $Yes$ $180$ Yes $180$ $58.3$ No $129$ $41.7$ Total $309$ $100$ Source of first sex education $School$ $179$ School $179$ $54.6$ Family $71$ $21.6$ Radio $6$ $1.8$ Television $25$ $7.6$ Social media $31$ $9.5$ Magazine/book $16$ $4.9$ Total $328$ $100$ Frequency of discussion/reading on sex $Very$ oftenVery often $59$ $17.4$ Not often $151$ $44.5$ Rarely $78$ $23.0$ Not at all $51$ $15.0$ Total $339$ $100$	Discuss or read on sex ma	and the second sec	90.7
No       60       19.3         Total       342       100         Knowledge of contraceptive       18.8         Yes       272       81.2         No       63       18.8         Total       335       100         Knows other sexual activities       100       100         Yes       131       44.6         No       163       55.4         Total       294       100         Anal sex       129       41.7         Yes       180       58.3         No       129       41.7         Total       309       100         Source of first sex education       5       54.6         Family       71       21.6         Radio       6       1.8         Television       25       7.6         Social media       31       9.5         Magazine/book       16       4.9         Total       328       100         Frequency of discussion/reading on sex       100         Very often       59       17.4         Not often       151       44.5         Rarely       78       23.0	1 es	276	80.7 10.3
Knowledge of contraceptive       100         Yes       272       81.2         No       63       18.8         Total       335       100         Knows other sexual activities       100       100         Yes       131       44.6         No       163       55.4         Total       294       100         Anal sex       129       41.7         Yes       180       58.3         No       129       41.7         Total       309       100         Source of first sex education       5       5         School       179       54.6         Family       71       21.6         Radio       6       1.8         Television       25       7.6         Social media       31       9.5         Magazine/book       16       4.9         Total       328       100         Frequency of discussion/reading on sex       Very often       59         Very often       59       17.4         Not often       151       44.5         Rarely       78       23.0         Not at all       51	Total	342	19.5
Yes       272       81.2         No       63       18.8         Total       335       100         Knows other sexual activities	Knowledge of contraceptiv	942 P	100
No         63         18.8           Total         335         100           Knows other sexual activities         131         44.6           No         163         55.4           Total         294         100           Anal sex         129         100           Yes         180         58.3           No         129         41.7           Total         309         100           Source of first sex education         5           School         179         54.6           Family         71         21.6           Radio         6         1.8           Television         25         7.6           Social media         31         9.5           Magazine/book         16         4.9           Total         328         100           Frequency of discussion/reading on sex         Very often         59           Very often         59         17.4           Not often         151         44.5           Rarely         78         23.0           Not at all         51         15.0           Total         339         100	Yes	2.72	81.2
Total       335       100         Knows other sexual activities       131       44.6         No       163       55.4         Total       294       100         Anal sex       129       100         Yes       180       58.3         No       129       41.7         Total       309       100         Source of first sex education       5         School       179       54.6         Family       71       21.6         Radio       6       1.8         Television       25       7.6         Social media       31       9.5         Magazine/book       16       4.9         Total       328       100         Frequency of discussion/reading on sex       Very often       59         Very often       59       17.4         Not often       151       44.5         Rarely       78       23.0         Not at all       51       15.0         Total       339       100	No	63	18.8
Knows other sexual activities       44.6         No       163       55.4         No       163       55.4         Total       294       100         Anal sex	Total	335	100
Yes       131       44.6         No       163       55.4         Total       294       100         Anal sex	Knows other sexual activiti	ies	
No         163         55.4           Total         294         100           Anal sex	Yes	131	44.6
Total       294       100         Anal sex       98       180       58.3         No       129       41.7         Total       309       100         Source of first sex education       100         School       179       54.6         Family       71       21.6         Radio       6       1.8         Television       25       7.6         Social media       31       9.5         Magazine/book       16       4.9         Total       328       100         Frequency of discussion/reading on sex       100         Very often       59       17.4         Not often       151       44.5         Rarely       78       23.0         Not at all       51       15.0         Total       339       100	No	163	55.4
Anal sex         Yes       180       58.3         No       129       41.7         Total       309       100         Source of first sex education       54.6         Family       71       21.6         Radio       6       1.8         Television       25       7.6         Social media       31       9.5         Magazine/book       16       4.9         Total       328       100         Frequency of discussion/reading on sex       Very often       59         Very often       59       17.4         Not often       151       44.5         Rarely       78       23.0         Not at all       51       15.0         Total       339       100	Total	294	100
Yes       180       58.3         No       129       41.7         Total       309       100         Source of first sex education       54.6         Family       71       21.6         Radio       6       1.8         Television       25       7.6         Social media       31       9.5         Magazine/book       16       4.9         Total       328       100         Frequency of discussion/reading on sex       Very often       59         Very often       59       17.4         Not often       151       44.5         Rarely       78       23.0         Not at all       51       15.0         Total       339       100	Anal sex		
No         129         41.7           Total         309         100           Source of first sex education         5           School         179         54.6           Family         71         21.6           Radio         6         1.8           Television         25         7.6           Social media         31         9.5           Magazine/book         16         4.9           Total         328         100           Frequency of discussion/reading on sex         Very often         59           Very often         59         17.4           Not often         151         44.5           Rarely         78         23.0           Not at all         51         15.0           Total         339         100	Yes	180	58.3
Total     309     100       Source of first sex education     54.6       School     179     54.6       Family     71     21.6       Radio     6     1.8       Television     25     7.6       Social media     31     9.5       Magazine/book     16     4.9       Total     328     100       Frequency of discussion/reading on sex     Very often     59       Very often     59     17.4       Not often     151     44.5       Rarely     78     23.0       Not at all     51     15.0       Total     339     100	No	129	41.7
Source of first sex education         54.6           School         179         54.6           Family         71         21.6           Radio         6         1.8           Television         25         7.6           Social media         31         9.5           Magazine/book         16         4.9           Total         328         100           Frequency of discussion/reading on sex         Very often         59           Very often         59         17.4           Not often         151         44.5           Rarely         78         23.0           Not at all         51         15.0           Total         339         100	Total	309	100
School         1/9         54.6           Family         71         21.6           Radio         6         1.8           Television         25         7.6           Social media         31         9.5           Magazine/book         16         4.9           Total         328         100           Frequency of discussion/reading on sex         Very often         59           Vory often         59         17.4           Not often         151         44.5           Rarely         78         23.0           Not at all         51         15.0           Total         339         100	Source of first sex education	n 170	54.6
Family       71       21.6         Radio       6       1.8         Television       25       7.6         Social media       31       9.5         Magazine/book       16       4.9         Total       328       100         Frequency of discussion/reading on sex       100         Very often       59       17.4         Not often       151       44.5         Rarely       78       23.0         Not at all       51       15.0         Total       339       100	School	1/9	54.6
Radio     6     1.8       Television     25     7.6       Social media     31     9.5       Magazine/book     16     4.9       Total     328     100       Frequency of discussion/reading on sex     100       Very often     59     17.4       Not often     151     44.5       Rarely     78     23.0       Not at all     51     15.0       Total     339     100	Family	/1	21.6
Total       23       7.0         Social media       31       9.5         Magazine/book       16       4.9         Total       328       100         Frequency of discussion/reading on sex       100         Very often       59       17.4         Not often       151       44.5         Rarely       78       23.0         Not at all       51       15.0         Total       339       100	Talavision	25	1.0
Social incula517.5Magazine/book164.9Total328100Frequency of discussion/reading on sex78Very often5917.4Not often15144.5Rarely7823.0Not at all5115.0Total339100	Social media	23	7.0
Induction of the second seco	Magazine/book	16	2.5 4.9
Frequency of discussion/reading on sex17.4Very often5917.4Not often15144.5Rarely7823.0Not at all5115.0Total339100	Total	328	100
Very often         59         17.4           Not often         151         44.5           Rarely         78         23.0           Not at all         51         15.0           Total         339         100	Frequency of discussion/re	ading on sex	100
Not often15144.5Rarely7823.0Not at all5115.0Total339100	Very often	59	17.4
Rarely7823.0Not at all5115.0Total339100	Not often	151	44.5
Not at all5115.0Total339100	Rarely	78	23.0
Total 339 100	Not at all	51	15.0
	Total	339	100

Source: author's fieldwork (2021).

TABLE 3: Adolescents' sexual behavior and experience.

Ever experienced sexual intercourse         Yes         140         41.9           Yes         140         41.9           No         1934         100           Kissing practice         Very often         70         22.7           Often         41         13.3           Not often         92         29.9           Not at all         105         34.1           Total         308         100           Vaginal sex practice         Very often         21         7.2           Often         36         10.2         33           Not often         60         20.5         3.1           Not often         60         20.5         3.1           Not often         10         3.5         3.00           Anal sex practice         Very often         4         1.4           Often         5         1.8         3.3           Not often         10         3.5         3.3           Total         264         93.3         100           Place of 1st intercourse         S         2.9         Your house         40         30.1           Others         9         6.8         3.3		Frequency	Percent
Yes         140         41.9           No         194         58.1           Total         334         100           Kissing practice         Very often         70         22.7           Often         41         13.3           Not often         92         29.9           Not at all         105         34.1           Total         308         100           Vaginal sex practice         Very often         21         7.2           Often         36         12.3         Not often         60         20.5           Not often         60         20.5         Not at all         176         60.1           Total         293         100         Anal sex practice         Very often         4         1.4           Often         5         1.8         Not often         10         3.5           Not at all         264         93.3         Total         283         100           Place of 1st intercourse         School         14         10.5           Hotel         13         9.8         Partner's house         57         42.9           Your house         40         30.1         13.0 <t< td=""><td>Ever experienced sexual intercours</td><td>se</td><td></td></t<>	Ever experienced sexual intercours	se	
No         194         58.1           Total         334         100           Kissing practice         Very often         70         22.7           Often         41         13.3           Not often         92         29.9           Not at all         105         34.1           Total         308         100           Vaginal sex practice         Very often         21         7.2           Often         36         12.3         Not often         60         20.5           Not at all         176         60.1         10         3.5         Not often         61         1.3         100           Anal sex practice         Very often         4         1.4         0ften         5         1.8         Not often         10         3.5         Not at all         264         93.3         Total         283         100           Place of 1st intercourse         School         14         10.5         Hotel         13         9.8         Partner's house         57         42.9         Your house         40         30.1         Others         9         6.8         13.0         17-18         11         47.8         19-20         9	Yes	140	41.9
Total         334         100           Kissing practice	No	194	58.1
Kissing practice       Very often       70       22.7         Very often       41       13.3         Not often       92       29.9         Not at all       1005       34.1         Total       308       100         Vaginal sex practice       Very often       21       7.2         Often       36       12.3         Not often       60       20.5         Not at all       176       60.1         Total       293       100         Anal sex practice       Very often       4       1.4         Often       5       1.8         Not often       10       3.5       Not at all       264       93.3         Total       283       100       Place of 1st intercourse       School       14       10.5         Hotel       13       9.8       Partner's house       57       42.9         Your house       40       30.1       Others       9       6.8         Total       133       100       Age at 1st pregnancy/impregnated someone       15-16       3       13.0         Iotal       133       100       Age at 1st pregnancy       4       16.7       10 <td>Total</td> <td>334</td> <td>100</td>	Total	334	100
Very often         70         22.7           Often         41         13.3           Not often         92         29.9           Not at all         105         34.1           Total         308         100           Vaginal sex practice         Very often         21         7.2           Often         36         12.3           Not often         60         20.5           Not at all         176         60.1           Total         293         100           Anal sex practice         Very often         4         1.4           Often         5         1.8         Not often         10         3.5           Not at all         264         93.3         100         Place of 1st intercourse         School         14         10.5           Hotel         13         9.8         100         Place of 1st intercourse         40         30.1           Chers         9         6.8         133         100           Abot         2.9         Your house         40         30.1           Others         9         39.1         13.3         100           Actiat         13         10.8	Kissing practice		
Often         41         13.3           Not often         92         29.9           Not at all         105         34.1           Total         308         100           Vaginal sex practice         7.2         Often           Very often         21         7.2           Often         36         12.3           Not often         60         20.5           Not at all         176         60.1           Total         293         100           Anal sex practice         Very often         4         1.4           Often         5         1.8         Not often         10         3.5           Not at all         264         93.3         Total         283         100           Place of 1st intercourse         School         14         10.5         Hotel         13         9.8           Partner's house         57         42.9         Your house         40         30.1           Others         9         6.8         Total         130         17.1           17-18         11         47.8         19-20         9         39.1           Total         20         83.3         <	Very often	70	22.7
Not often         92         29.9           Not at all         105         34.1           Total         308         100           Vaginal sex practice	Often	41	13.3
Not at all       105       34.1         Total       308       100         Vaginal sex practice       7.2         Often       21       7.2         Often       36       12.3         Not often       60       20.5         Not at all       176       60.1         Total       293       100         Anal sex practice           Very often       4       1.4         Often       5       1.8         Not often       10       3.5         Not at all       264       93.3         Total       283       100         Place of 1st intercourse       School       14       10.5         Hotel       13       9.8       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       20       83.3       Keep the pregnancy	Not often	92	29.9
Total       308       100         Vaginal sex practice       7.2         Often       36       12.3         Not often       60       20.5         Not at all       176       60.1         Total       293       100         Anal sex practice       Very often       4       1.4         Often       5       1.8         Not often       10       3.5         Not often       10       3.5         Not often       10       3.5         Not often       14       10.5         Hotel       13       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Total       24       100       81.3       15       15         Seep the pregnancy       18       14.5 <td< td=""><td>Not at all</td><td>105</td><td>34.1</td></td<>	Not at all	105	34.1
Vaginal sex practice         21         7.2           Often         36         12.3           Not often         60         20.5           Not at all         176         60.1           Total         293         100           Anal sex practice         Very often         4         1.4           Often         5         1.8         Not often         10         3.5           Not at all         264         93.3         Total         283         100           Place of 1st intercourse         School         14         10.5         Hotel         13         9.8           Partner's house         57         42.9         Your house         40         30.1           Others         9         6.8         Total         13.0         100           Age at 1st pregnancy/impregnated someone         15-16         3         13.0         17-18         11         47.8           19-20         9         39.1         Total         20         83.3         Keep the pregnancy         4         16.7           Total         20         83.3         Keep the pregnancy         4         16.7         Total         100           Current sexu	Total	308	100
Very often         21         7.2           Often         36         12.3           Not often         60         20.5           Not at all         176         60.1           Total         293         100           Anal sex practice	Vaginal sex practice		
Often         36         12.3           Not often         60         20.5           Not at all         176         60.1           Total         293         100           Anal sex practice         Very often         4         1.4           Often         5         1.8           Not often         10         3.5           Not at all         264         93.3           Total         283         100           Place of 1st intercourse         57         42.9           Your house         40         30.1           Others         9         6.8           Total         133         100           Age at 1st pregnancy/impregnated someone         15-16         3         13.0           17-18         11         47.8         19-20         9         39.1           Total         23         100         Action on pregnancy         4         16.7           Abort         20         83.3         Keep the pregnancy         4         16.7           Total         24         100         Current sexual partner         124         100           Current sexual partner         124         100	Very often	21	7.2
Not often         60         20.5           Not at all         176         60.1           Total         293         100           Anal sex practice         Very often         4         1.4           Often         5         1.8           Not often         10         3.5           Not at all         264         93.3           Total         283         100           Place of 1st intercourse         School         14         10.5           Hotel         13         9.8         Partner's house         57         42.9           Your house         40         30.1         Others         9         6.8           Total         133         100         Age at 1st pregnancy/impregnated someone         15-16         3         13.0           17-18         11         47.8         19-20         9         39.1           Total         23         100         Action on pregnancy         4         16.7           Total         20         83.3         Keep the pregnancy         4         16.7           Total         24         100         Current sexual partner         1-2         partners         10         8.1	Often	36	12.3
Not at all       176       60.1         Total       293       100         Anal sex practice       Very often       4       1.4         Often       5       1.8         Not often       10       3.5         Not at all       264       93.3         Total       283       100         Place of 1st intercourse       57       42.9         School       14       10.5         Hotel       13       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Abort       20       83.3       Keep the pregnancy       4       16.7         Total       24       100       Current sexual partner       1       1.4         1-2 partners       96       77.4       3.4       14.5 <t< td=""><td>Not often</td><td>60</td><td>20.5</td></t<>	Not often	60	20.5
Total       293       100         Anal sex practice       Very often       4       1.4         Often       5       1.8         Not often       10       3.5         Not at all       264       93.3         Total       283       100         Place of 1st intercourse       School       14       10.5         Hotel       13       9.8       9         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Total       24       100       Current sexual partner       1-2       100         Current sexual partners       10       8.1       5       partners       10       8.1         5 partners and above       18       14.5       Total       124       100         Age at first sexual intercourse       Freq       P	Not at all	176	60.1
Anal sex practice       4       1.4         Very often       4       1.4         Often       5       1.8         Not often       10       3.5         Not at all       264       93.3         Total       283       100         Place of 1st intercourse       5       42.9         School       14       10.5         Hotel       13       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Total       24       100       Rait       14.5       Total       24       100         Current sexual partner       12       2       16.7       Total       124       100         Current sexual partners       10       8.1       5       Total       124       100         S partners a	Total	293	100
Very often       4       1.4         Often       5       1.8         Not often       10       3.5         Not at all       264       93.3         Total       283       100         Place of 1st intercourse       283       100         School       14       10.5         Hotel       13       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Abort       20       83.3       Keep the pregnancy 4       16.7         Abort       20       83.3       Keep the pregnancy       4       100         Current sexual partner       124       100       100       S.1       5         5 partners and above       18       14.5       15.3       Did not know/never       237       71.0 <td< td=""><td>Anal sex practice</td><td>,</td><td></td></td<>	Anal sex practice	,	
Often       5       1.8         Not often       10       3.5         Not at all       264       93.3         Total       283       100         Place of 1st intercourse       283       100         School       14       10.5         Hotel       13       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3         15-16       3       13.0         17-18       11       47.8         19-20       9       39.1         Total       23       100         Action on pregnancy       4       16.7         Abort       20       83.3         Keep the pregnancy       4       16.7         Total       24       100         Current sexual partner       12       partners         1-2 partners       96       77.4         3-4 partners       10       8.1         5 partners and above       18       14.5         <	Very often	4	1.4
Not often10 $3.5$ Not at all $264$ $93.3$ Total $283$ $100$ Place of 1st intercourse $14$ $10.5$ Hotel $13$ $9.8$ Partner's house $40$ $30.1$ Others $9$ $6.8$ Total $133$ $100$ Age at 1st pregnancy/impregnated someome $15-16$ $3$ $15-16$ $3$ $13.0$ $17-18$ $11$ $47.8$ $19-20$ $9$ $39.1$ Total $23$ $100$ Action on pregnancy $4$ Abort $20$ $83.3$ Keep the pregnancy $4$ $1-2$ partners $96$ $1-2$ partners $96$ $77.4$ $3-4$ partners $1-2$ partners $96$ $77.4$ $3-4$ partners $1-2$ partners $96$ $77.4$ $14.5$ Total $124$ $100$ Current sexual partner $1-2$ partners $1-2$ partners $1-2$ partners $1-2$ partners $10$ $31$ $5$ partners and above $18$ $15-19$ $51$ $5.2$ Often $19$ $6.6$ Not often $41$ $14.3$ Not at all $237$ $83.2$ Not often $31$ $10.9$ Not at all $237$ $83.2$ Total $237$ $83.2$ <td>Often</td> <td>5</td> <td>1.8</td>	Often	5	1.8
Not at all       264       95.3         Total       283       100         Place of 1st intercourse       5         School       14       10.5         Hotel       13       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Total       23       100       Action on pregnancy       4       16.7         Total       24       100       Current sexual partner       1       1.2       partners       10       8.1         5 partners and above       18       14.5       Total       124       100         Age at first sexual intercourse       Freq       Percent       \$14years       46       13.8         15-19       51       15.3       Did not know/never       237       71.0       Total       334       100	Not often	10	3.5
Total       283       100         Place of 1st intercourse       5         School       14       10.5         Hotel       13       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Abort       20       83.3       Keep the pregnancy       4       16.7         Total       24       100       Current sexual partner       1       1-2       partners       10       8.1         5 partners and above       18       14.5       Total       124       100         Age at first sexual intercourse       Freq       Percent       \$13.8       15-19       51       15.3         Did not know/never       237       71.0       71.0       71.0       71.0       71.0         Total       286       100       286       100	Not at all	264	93.3
Place of 1st intercourse         School       14       10.5         Hotel       13       9.8         Partner's house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Abort       20       83.3       Keep the pregnancy       4       16.7         Total       24       100       Current sexual partner       124       100         Current sexual partners       96       77.4       3-4       partners       18       14.5         Total       124       100       8.1       5       partners       10       8.1         5 partners and above       18       14.5       15.3       15.3       15.3       15.3       15.3       15.3       15.3       15.3       100       00       00       00       214       100       00       00       01       15.3       15.3       15.3       15.3       15.3	lotal	283	100
School       14       10.5         Hotel       13       9.8         Partner's house       57       42.9         Your house       40       30.1         Others       9       6.8         Total       133       100         Age at 1st pregnancy/impregnated someone       15-16       3       13.0         17-18       11       47.8       19-20       9       39.1         Total       23       100       Action on pregnancy       4       16.7         Abort       20       83.3       Keep the pregnancy       4       16.7         Total       24       100       Current sexual partner       124       100         Current sexual partners       96       77.4       3-4       partners       18       14.5         Total       124       100       8.1       5       partners       16       13.8         15-19       51       15.3       Did not know/never       237       71.0       Total       334       100         Oral sex practice       Very often       15       5.2       Often       41       14.3         Not at all       211       73.8       100	Place of 1st intercourse	14	10 5
Fidel159.8Partner's house5742.9Your house4030.1Others96.8Total133100Age at 1st pregnancy/impregnated someone15-16315-16313.017-181147.819-20939.1Total23100Action on pregnancy416.7Total24100Current sexual partner121-2 partners9677.43-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often1906.6100Masturbation practiceVery often31Very often93.2Often82.8Not often3110.9Not at all23783.2Total285100	School	14	10.5
Partner's noise $57$ $42.9$ Your house $40$ $30.1$ Others9 $6.8$ Total $133$ $100$ Age at 1st pregnancy/impregnated someone $15-16$ $3$ $17-18$ $11$ $47.8$ $19-20$ 9 $39.1$ Total $23$ $100$ Action on pregnancy $4$ $16.7$ Total $24$ $100$ Current sexual partner $24$ $100$ Current sexual partners $10$ $8.1$ $5$ partners and above $18$ $14.5$ Total $124$ $100$ Age at first sexual intercourseFreqPercent $\leq 14$ years $46$ $13.8$ $15-19$ $51$ $15.3$ Did not know/never $237$ $71.0$ Total $334$ $100$ Oral sex practice $Very$ often $41$ Very often $286$ $100$ Masturbation practice $Very$ often $31$ $00$ filten $8$ $2.8$ Not often $31$ $10.9$ Not at all $237$ $83.2$ Total $285$ $100$	Hotel	13	9.8
Four noise4030.1Others96.8Total133100Age at 1st pregnancy/impregnated someone15-16315-16313.017-181147.819-20939.1Total23100Action on pregnancy416.7Abort2083.3Keep the pregnancy416.7Total24100Current sexual partner1-21-2 partners9677.43-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often90 ften196.6Not often4114.3Not at all21173.8Total286100Masturbation practiceVery often93.2Often82.8Not often3110.9Not at all23783.2Total285100	Varia haves	57	42.9
Others96.8Total133100Age at 1st pregnancy/impregnated someone15-16315-16313.017-181147.819-20939.1Total23100Action on pregnancy416.7Abort2083.3Keep the pregnancy416.7Total24100Current sexual partner1-2 partners961-2 partners9677.43-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often9Very often196.6Not often4114.3Not at all21173.8Total286100Masturbation practiceVery often93.2Often82.8Not often3110.9Not at all23783.2Total285100	Others	40	50.1
Iotal155100Age at 1st pregnancy/impregnated someone15-16313.017-181147.819-20939.1Total23100Action on pregnancy416.7Abort2083.3Keep the pregnancy416.7Total24100Current sexual partner1-21-2 partners9677.43-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often15Very often155.2Often4114.3Not at all21173.8Total286100Masturbation practiceVery oftenVery often3110.9Not at all23783.2Total285100	Total	9	0.0
Age at 1st pregnancy/mpregnated solution15-16317-181147.819-20939.1Total23Abort2083.3Keep the pregnancy416.7Total24100Current sexual partner1-2 partners9677.43-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often155.2Often196.6Not often4114.3Not at all21173.8Total236100Masturbation practiceVery often93.2Often82.8Not often3110.9Not at all23783.2Total23783.2Total23783.2Total23783.2Total23783.2 <td< td=""><td>Age at 1st pregnancy/impregnated</td><td>someone</td><td>100</td></td<>	Age at 1st pregnancy/impregnated	someone	100
17-181147.8 $17-18$ 1147.8 $19-20$ 939.1Total23100Action on pregnancy416.7Abort2083.3Keep the pregnancy416.7Total24100Current sexual partner11-2 partners9677.43-4 partners3-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4615-195115.315.3Did not know/never23771.071.0Total334100Oral sex practiceVery often155.2OftenMot at all21173.8Total286100Masturbation practice100Very often93.2OftenNot at all2378.2.8Not often3110.9237Rot at all23783.2100	15-16	3	13.0
19-20       9       39.1         Total       23       100         Action on pregnancy       20       83.3         Keep the pregnancy       4       16.7         Total       24       100         Current sexual partner       24       100         1-2 partners       96       77.4         3-4 partners       10       8.1         5 partners and above       18       14.5         Total       124       100         Age at first sexual intercourse       Freq       Percent $\leq 14$ years       46       13.8         15-19       51       15.3         Did not know/never       237       71.0         Total       334       100         Oral sex practice       Very often       15       5.2         Often       19       6.6         Not often       41       14.3         Not at all       211       73.8         Total       286       100         Masturbation practice       Very often       9       3.2         Often       8       2.8       Not often       31       10.9         Not at all       237 <td>17-18</td> <td>11</td> <td>47.8</td>	17-18	11	47.8
Total       23 $100$ Action on pregnancy       20 $83.3$ Keep the pregnancy       4 $16.7$ Total       24 $100$ Current sexual partner       24 $100$ 1-2 partners       96 $77.4$ 3-4 partners       10 $8.1$ 5 partners and above       18 $14.5$ Total       124 $100$ Age at first sexual intercourse       Freq       Percent $\leq 14$ years       46 $13.8$ $15-19$ Did not know/never       237 $71.0$ $71.0$ Total       334 $100$ $0ral sex practice$ $Very$ often $15$ $5.2$ Often       19 $6.6$ $100$ $Masturbation practice$ $Very$ often $9$ $3.2$ Often       8 $2.8$ $10.9$ $Not at all$ $237$ $83.2$ Not often       31 $10.9$ $Not at all$ $237$ $83.2$ Total       285 $100$ $285$ $100$	19-20	9	39.1
Action on pregnancy2083.3Abort2083.3Keep the pregnancy416.7Total24100Current sexual partner1-2 partners961-2 partners9677.43-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often15Very often196.6Not often4114.3Not at all21173.8Total286100Masturbation practiceVery often93.2Often82.8Not often3110.9Not at all23783.2Total285100	Total	23	100
Abort2083.3Keep the pregnancy416.7Total24100Current sexual partner11-2 partners9677.43-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often15Very often196.6Not often4114.3Not at all21173.8Total286100Masturbation practiceVery often93.2Often82.8Not often3110.9Not at all23783.2Total285100	Action on pregnancy	20	100
Keep the pregnancy Total416.7Total24100Current sexual partner1-2 partners96 $77.4$ 1-2 partners96 $77.4$ 3-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ /years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often155.2Often196.6100Masturbation practice78.8100Masturbation practiceVery often3110.910.9Not at all23783.270tal285100	Abort	20	83.3
Total       24       100         Current sexual partner       1-2 partners       96       77.4         3-4 partners       10       8.1         5 partners and above       18       14.5         Total       124       100         Age at first sexual intercourse       Freq       Percent $\leq 14$ years       46       13.8         15-19       51       15.3         Did not know/never       237       71.0         Total       334       100         Oral sex practice       Very often       15         Very often       19       6.6         Not often       41       14.3         Not at all       211       73.8         Total       286       100         Masturbation practice       Very often       9         Very often       9       3.2         Often       8       2.8         Not often       31       10.9         Not at all       237       83.2         Total       285       100	Keep the pregnancy	4	16.7
Current sexual partner         1-2 partners       96       77.4         3-4 partners       10       8.1         5 partners and above       18       14.5         Total       124       100         Age at first sexual intercourse       Freq       Percent $\leq 14$ years       46       13.8         15-19       51       15.3         Did not know/never       237       71.0         Total       334       100         Oral sex practice       Very often       15       5.2         Often       19       6.6       100         Masturbation practice       Very often       17.8       100         Masturbation practice       Very often       9       3.2         Often       8       2.8       100         Mot often       31       10.9       10.9         Not at all       237       83.2       10.9         Not at all       237       83.2       10.9         Not at all       237       83.2       100	Total	24	100
1-2 partners9677.43-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often15Very often155.2Often4114.3Not at all21173.8Total286100Masturbation practiceVery often93.2Often3110.9Not at all23783.2Total285100	Current sexual partner		
3-4 partners108.15 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often15Very often155.2Often196.6Not often4114.3Not at all21173.8Total286100Masturbation practiceVery often93.2Often3110.9Not at all23783.2Total285100	1-2 partners	96	77.4
5 partners and above1814.5Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practiceVery often15Very often196.6Not often4114.3Not at all21173.8Total286100Masturbation practiceVery often9S.2Often3110.9Not at all23783.2Total285100	3-4 partners	10	8.1
Total124100Age at first sexual intercourseFreqPercent $\leq 14$ years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practice $Very$ often15Very often155.2Often196.6Not often4114.3Not at all21173.8Total286100Masturbation practice $Very$ often9S.2Often3110.9Not at all23783.2Total285100	5 partners and above	18	14.5
Age at first sexual intercourseFreqPercent≤14years4613.815-195115.3Did not know/never23771.0Total334100Oral sex practice $Very$ often15Very often196.6Not often4114.3Not at all21173.8Total286100Masturbation practice $Very$ often90ften82.8Not often3110.9Not at all23783.2Total285100	Total	124	100
≤14years4613.815–195115.3Did not know/never23771.0Total334100Oral sex practice71.0Very often155.2Often196.6Not often4114.3Not at all21173.8Total286100Masturbation practice70Very often93.2Often82.8Not often3110.9Not at all23783.2Total285100	Age at first sexual intercourse	Freq	Percent
15-19       51       15.3         Did not know/never       237       71.0         Total       334       100         Oral sex practice       334       100         Oral sex practice       15       5.2         Often       19       6.6         Not often       41       14.3         Not at all       211       73.8         Total       286       100         Masturbation practice       Very often       9         Very often       9       3.2         Often       8       2.8         Not often       31       10.9         Not at all       237       83.2         Total       285       100	≤14years	46	13.8
Did not know/never         237         71.0           Total         334         100           Oral sex practice	15–19	51	15.3
Total       334       100         Oral sex practice	Did not know/never	237	71.0
Oral sex practice         Very often         15         5.2           Often         19         6.6           Not often         41         14.3           Not at all         211         73.8           Total         286         100           Masturbation practice         Very often         9         3.2           Often         8         2.8           Not often         31         10.9           Not at all         237         83.2           Total         285         100	Total	334	100
Very often         15         5.2           Often         19         6.6           Not often         41         14.3           Not at all         211         73.8           Total         286         100           Masturbation practice         Very often         9         3.2           Often         8         2.8           Not often         31         10.9           Not at all         237         83.2           Total         285         100	Oral sex practice		
Often         19         6.6           Not often         41         14.3           Not at all         211         73.8           Total         286         100           Masturbation practice             Very often         9         3.2           Often         8         2.8           Not often         31         10.9           Not at all         237         83.2           Total         285         100	Very often	15	5.2
Not often         41         14.3           Not at all         211         73.8           Total         286         100           Masturbation practice         7         7           Very often         9         3.2           Often         8         2.8           Not often         31         10.9           Not at all         237         83.2           Total         285         100	Often	19	6.6
Not at all         211         73.8           Total         286         100           Masturbation practice         7         7           Very often         9         3.2           Often         8         2.8           Not often         31         10.9           Not at all         237         83.2           Total         285         100	Not often	41	14.3
Total286100Masturbation practice93.2Very often93.2Often82.8Not often3110.9Not at all23783.2Total285100	Not at all	211	73.8
Masturbation practiceVery often9Often82.8Not often3110.9Not at all237285100	Total	286	100
Very often         9         3.2           Often         8         2.8           Not often         31         10.9           Not at all         237         83.2           Total         285         100	Masturbation practice	_	
Often         8         2.8           Not often         31         10.9           Not at all         237         83.2           Total         285         100	Very often	9	3.2
Not often         31         10.9           Not at all         237         83.2           Total         285         100	Otten	8	2.8
Not at all         237         83.2           Total         285         100	Not often	31	10.9
Total 285 100	Not at all	237	83.2
	Total	285	100

TABLE 3: Continued.

	Frequency	Percent
Other sexual practice		
Very often	2	0.8
Often	1	0.4
Not often	5	1.9
Not at all	253	96.9
Total	261	100
Lifetime sexual partners		
1-2 partners	81	59.6
3-4 partners	26	19.1
5 partners and above	29	21.3
Total	136	100
Use of contraceptive		
Yes	98	30.9
No	219	69.1
Total	317	100
Contraceptives usage		
Very often	37	12.1
Not often	44	14.4
Rarely	26	8.5
Not at all	199	65
Total	331	100
Type of contraceptive used		
Condoms	73	67
Pills	33	30.3
Others	3	2.8
Total	109	100

sexual partner than those who do not discuss with a parent. However, respondents who discuss sexual matters with a relative were less likely to have a sexual partner compared to the reference category (individual who do not discuss with a relative (B = -1.34; OR = 0.26). The result of the analysis on parental occupation shows that adolescents whose parent are farmers are 0.12 times less likely to have sexual partner compared to adolescent whose parents are in other types of occupation. Only farming/others with respect to mother's occupation produced a statistically significant result (p < 0.05). This category of respondents is also less likely to have sexual partner compared to other two occupation categories: civil servant (RC) and trading/services (B = -2.15; OR = 0.12). Respondent's parents highest school level is statistically insignificant to having a sexual partner (p > 0.05). Father's occupation is positively related to having asexual partner. Farming/others amongst fathers increased the odds of having sexual partner by 1.74 times (Table 4).

Respondents who live in an urban area are 2.71 times more likely to have a sexual partner than those living in a rural area (RC) (B = 0.20, p > 0.05). Also, respondents from nuclear families had almost half the odds of having sexual partner compared to those from extended families (RC), (B = -0.60; OR = 0.55; p > 0.05). Female respondents are more likely to have a sexual partner than male respondents (B = 0.09; OR = 1.09; p > 0.05). Those who read/discuss sexual matters are less likely to have a sexual partner than those who do not read/discuss sexual matters (Table 4).

TABLE 4: Logistic regression analysis illustrating the influence of exposure to sex education and socio-demographic factors on having a sexual partner(s).

	В	S.E.	Wald	Sig.	Exp (B)			
Place of residence								
Rural	RC							
Urban	0.20	0.87	1.31	0.25	2.71			
Family type								
Extended	RC							
Nuclear	-0.60	0.54	1.23	0.27	0.55			
Discussed sex issues with an	ny or bo	oth par	rents					
No	RC							
Yes	1.37	0.58	5.56	0.02	3.93			
Read things/discuss about se	exual m	atter						
No	RC							
Yes	-1.04	1.06	0.97	0.33	0.35			
Mother's occupation								
Civil servants	RC							
Farming/others	-2.15	0.84	6.50	0.01	0.12			
Trading/services	-1.06	0.85	1.53	0.22	0.35			
Father's occupation								
Civil servants	RC							
Farming/others	0.56	0.67	0.69	0.41	1.74			
Trading/services	0.20	0.63	0.10	0.75	1.22			
Age group								
15–19 years	RC							
≤14 years	-1.23	0.50	6.38	0.01	0.28			
Gender								
Male	RC							
Female	0.09	0.53	0.03	0.87	1.09			
Discussed sex issues with any relations								
No	RC							
Yes	-1.34	0.57	5.52	0.02	0.26			
Frequency of reading/discussion matters								
Not at all	RC							
Very often	-1.32	0.54	5.98	0.01	0.27			
Not often	-2.21	0.70	9.87	0.00	0.11			
Rarely	-2.95	1.26	5.54	0.02	0.05			
Constant	3.54	1.61	4.82	0.03	34.36			
2 Log likelihood = 146.639;	Nag	gelkerk	ke R squ	are = 0	0.463;			
Overall percentage = 79.8	Cox & Snell R square = 0.326							

3.5. Logistic Regression Analysis Illustrating the Influence of Selected Factors of Exposure to Sex Education on Having Sexual Partner(s). The binary logistic regression analyzed the relevance and interaction between the dependent variable and selected exposure to sex education variables for hypothesis two. The dependent variable is having sexual partner, while the selected independent variables are reading/discussion on sexual matters, frequency of discussion/ reading on sexual matters, ever discussed sexual matters with any or both parents, ever discussed sexual matters with any relation, conceptual understanding of sex education, and source of first sex education.

The finding shows that the odds of discussing sexual matters are significantly related to having sexual partner. Adolescents who discuss sexual matter very often were less likely to have sexual partners than those who are not discussing sexual matters (B = -1.01; OR = 0.36; p < 0.05). Similarly, adolescents who do not discuss sexual matters

very often were less likely to have a sexual partner than those who do not. Discussion of sexual issues with either parents or relatives is significantly related to having sexual partner. At the same time, those who discuss sexual issues with parents are more likely to have a sexual partner than those who do not (B = 1.27; OR = 3.54). Those who discuss sexual issues with a relative were less likely to have a sexual partner than those who do not discuss with a relative (B = -1.274; OR = 0.28).

Furthermore, the result revealed that adolescents who read/discuss sexual matters were less likely to have a sexual partner than people who do not (B = -1.05; OR = 0.35; p > 0.05). Respondents who have a good understanding of sexual concepts are less likely to have a sexual partner than those who have little understanding (B = -1.75; OR = 0.17).

The analyses show that adolescents who source their first sex education from the various forms of media (radio, television, and social media) are less likely to have a sexual partner than those who receive it from books/magazines (RC). Adolescents whose first source of sex education is from the family and school are more likely to have a sexual partner than those who receive it from magazines/books (Table 5).

#### 4. Discussion

The study provided empirical analysis of sex education awareness and knowledge among adolescents that have sexual partner and their different sexual activities in the context of university undergraduates. The study could have significant contributions in spurring initiatives or policy towards curing high-rate unwanted pregnancy, unsafe abortion, school dropouts, and SIT, HIV including young mother's death and infant mortality [18]. The study gave support to increasing pursuit of sexuality education that could enhance healthy adolescenthood, healthy sexual decision-making, and wellbeing [26].

Specifically, the study provided insight on the exposure of adolescents to sex education from different media and the varying effects things as such could have on the sexual behavior of adolescent. The study revealed that 4 out of every 10 adolescents have experienced sexual intercourse and that male adolescents are more involved in sexual risk behavior than the female adolescents. While the finding could be in tandem with previous studies [27]; [28], it signals that (1) such finding is still relevant today, and (2) the understanding of the report could spur paradigm shifts in existing strategies or their modifications. Therefore, in as much as the focus of this study is not directly to evaluate international, national, or local strategic framework on Adolescent Reproductive Health Programs, the results herein are evidences of nonabsolute success of these programs, and a need for change is imperative. The parents or guidance could also have little or no attention to male sexual behavior [29, 30], and [31, 32].

The result in this study with adolescents aged (10–19) showed that more than half of the adolescents interviewed had engaged in sexual activities; it does not only validate past studies, but it also signals to the present prevalence rate

TABLE 5: Logistic regression analysis illustrating the influence of selected factors of exposure to sex education on having a sexual partner.

Selected variables	В	S.E.	Wald	Sig.	$\operatorname{Exp}(B)$
Read things or discuss sexual matter					
No	RC				
Yes	-1.05	0.87	1.45	0.23	0.35
Discussed sex issues	with any or both	parer	nts		
No	RC				
Yes	1.27	0.47	7.27	0.01	3.54
Discussed sex issues	with any relation	is			
No	RC				
Yes	-1.27	0.45	8.06	0.01	0.28
Conceptual understa	inding of sex edu	cation			
Little	RC				
Good	-1.75	1.00	3.07	0.08	0.17
Average	-1.50	0.97	2.41	0.12	0.22
Frequency of discuss	sion or reading				
Not at all	RC				
Very often	-1.01	0.45	5.01	0.03	0.36
Not often	-1.88	0.59	10.11	0.00	0.15
Rarely	-2.10	1.07	3.84	0.05	0.12
Source of first sex education					
Magazine/book	RC				
School	0.04	0.48	0.01	0.94	1.04
Family	1.81	1.64	1.21	0.27	6.09
Radio	-0.27	0.88	0.10	0.76	0.76
Television	-0.73	0.99	0.54	0.46	0.48
Social media	-1.99	1.19	2.79	0.10	0.14
Constant	1.85	1.0	3.43	0.06	6.35
Cox & Spell $\mathbb{P}^2$ .	Nagelkerke $P^2$ .	2 log		Overall	
0 220	0 311	likelihood		percentage:	
0.220	0.011	(17	7.35)	5	75.7

[33–40]. The authors saw relevance in sex education and adolescents' access to adequate information as important agenda that should be vigorously pursued by stakeholders in adolescent health. The fact that age is significantly associated with having a sexual partner could be understood as natural development. As adolescents reach puberty, they tend to want to try out new things and experience things for themselves [41–45]. The profound information about the associate linkage between STIs, HPV and potential for cervical and prostate cancers [13,14] should make sexual education and adolescent sexual behaviour a serious concern in public health domain.

Notwithstanding, the highlight that adolescent discussion with parent is negatively related to early sexual debut may not be sustained taking lesson from other studies [46–50]. This finding also could be due to sacrilegious perspective of sexual issues in sub-Saharan Africa. Sexual discussion is perceived as taboo, and, when done, it is only permissible among the adults [51]. Besides, it is general erroneous believe that exposing adolescents to sex education could introduce them to early sexual behaviors or make them promiscuous [52–54]. Notwithstanding, the study extol the virtue of sexual matter discussion among adolescents as it enhances the use of protection against STI, HIV, and other venereal diseases [41,55–59].

#### **5.** Conclusions

The empirical analysis from the study suggests sex education awareness and knowledge among adolescentsare indispensable in the drive towards the control and prevention of sexual transmitted diseases, unwanted pregnancy, unsafe abortion, school dropouts, and SIT, and HIV, including young mother's death and infant mortality. The study concludes that the identification of multiple sexual partnership among the adolescents and retrospective years of first intercourse and the absolute effectiveness of existing sex education policy could be controversial. Adolescents would therefore require increase in enlightenment to effect a paradigm shifts in the current observed sexual behavior if attainment of health-for-all agenda is paramount to the stakeholders. While exposure of adolescents to sex education might not prevent them from engaging in sexual activities, it could equip them with required knowledge of protection against detrimental risk sexual activities that could spur ill-sexual health. Parental discussion of sexual matters with adolescents could be of importance and should not be taken lightly as incomplete information might be misleading. It is important that adolescents receive accurate information. However, since different age groups of adolescents could have different needs, the educator will need to streamline sex education based on age differences. The study gave support to increasing pursuit of sexuality education.

5.1. Limitations of the Study. The study is based on selfadministered questionnaires that are characterized by economical truthfulness of the data. However, the reliability test and high level of education of the respondents being undergraduates of ivory tower educational setup enhance the participant understanding of the questions and accurate responses with minimal attrition level (4.6%).

5.2. Novelty of the Study. This paper is novel because it contributes to the current understanding of how exposure to sex education from different media could be used to control adolescent sexual behavior in the study location that was scantily available. The holistic analysis of this study added to the existing research by identifying key components that influence adolescent sexual behavior considering the fact that analyzing the importance of these components has not been exhaustive in the literature. This paper confirms existing literature that also emphasized the crucial role of certain media of sex education such as social media, school, and television. However, the present study also identified socio-demographic characteristics such as place of residence, family type, gender, and age as significant characteristics influencing adolescent sexual behavior [60, 61].

#### **Data Availability**

Data are available on request. Data for this study can be obtained directly from the Breast and Cervical Cancer Cluster of Covenant University. Contact details: Dr. Emmanuel O. Amoo, email: emma.amoo@ covenantuniversity.edu.ng.

#### **Conflicts of Interest**

The authors declare no conflicts of interest.

#### References

- B. Y. A. Asare, D. Baafi, B. Dwumfour-Asare, and A. R. Adam, "Factors associated with adolescent pregnancy in the sunyani municipality of Ghana," *International Journal of Africa Nursing Sciences*, vol. 10, pp. 87–91, 2019.
- [2] Y. D. Wado, E. A. Sully, and J. N. Mumah, "Pregnancy and early motherhood among adolescents in five east African countries: a multi-level analysis of risk and protective factorsa multi-level analysis of risk and protective factors," *BMC Pregnancy and Childbirth*, vol. 19, no. 1, p. 59, 2019.
- [3] C. S. Yah, S. Ndlovu, A. Kutywayo, N. Naidoo, T. Mahuma, and S. Mullick, "The prevalence of pregnancy among adolescent girls and young women across the southern African development community economic hub: a systematic review and meta-analysis," *Health Promotion Perspectives*, vol. 10, 2021.
- [4] World Health Organization, Adolescent Pregnancy, World Health Organization, Geneva, Switzerland, 2019.
- [5] World Health Organization, Adolescent pregnancy, World Health Organization, Geneva, Switzerland, 2020.
- [6] UNICEF, Adolescent HIV prevention:UNICEF Data: Monitoring the Situation of Children and Women, UNICEF, New York, NY, USA, 2020.
- [7] UNICEF, Adolescent Demographics: UNICEF Data: Monitoring the Situation of Children and Women, UNICEF, New York, NY, USA, 2019.
- [8] Z. Alimoradi, N. Kariman, M. Simbar, and F. Ahmadi, "Contributing factors to high-risk sexual behaviors among Iranian adolescent girls: a systematic review," *International Journal of Community Based Nursing and Midwifery*, vol. 5, pp. 2–12, 2017.
- [9] K. Wellings, M. Collumbien, E. Slaymaker et al., "Sexual behaviour in context: a global perspective," *Lancet*, vol. 368, 2006.
- [10] E. O. Amoo, G. W. Samuel, and A. Olawole-Isaac, "Effects of adolescents exposure to sexual contents on social media in Nigeria," in *Proceedings of the 22nd International Business Information Management Conference (IBIMA)*, Rome, Italy, 2013.
- [11] R. N. Fanfair and K. A. Workowski, "Clinical update in sexually transmitted diseases-2014," *Cleveland Clinic Journal* of *Medicine*, vol. 81, no. 2, pp. 91–101, 2014.
- [12] C. L. Shannon and J. D. Klausner, "The growing epidemic of sexually transmitted infections in adolescentsgrowing epidemic of sexually transmitted infections in adolescents: aneglected population," *Current Opinion in Pediatrics*, vol. 30, no. 1, pp. 137–143, 2018.
- [13] M. Martinelli, R. Musumeci, I. Sechi et al., "Prevalence of human papillomavirus (HPV) and other sexually transmitted infections (STIs) among Italian women referred for a colposcopy," *International Journal of Environmental Research and Public Health*, vol. 16, no. 24, 2019.
- [14] A. Habib, G. Jaffar, M. S. Khalid et al., "Risk factors associated with prostate cancerfactors associated with prostate cancer," *Journal of Drug Delivery and Therapeutics*, vol. 11, no. 2, pp. 188–193, 2021.
- [15] C. Motherway, "Sex education: the effectiveness of comprehensive-based compared to the effectiveness of abstinenceonly," *Social Work Theses*, vol. 56, 2010.

- [16] R. Shashikumar, R. C. Das, H. R. A. Prabhu et al., "A crosssectional study of factors associated with adolescent sexual activity," *Indian Journal of Psychiatry*, vol. 54, no. 2, pp. 138–143, 2012.
- [17] N. Garzon-Orjuela, D. Samca-Samaca, J. Moreno-Chaparro, M. D. P. Ballesteros-Cabrera, and J. Eslava-Schmalbach, "Effectiveness of sex education interventions in adolescents: an overviewsex education interventions in adolescents: an overview," *Comprehensive Child and Adolescent Nursing*, vol. 44, no. 1, pp. 15–48, 2020.
- [18] J. Shiffman, M. Kunnuji, Y. R. Shawar, and R. S. Robinson, "International norms and the politics of sexuality education in Nigeria," *Globalization and Health*, vol. 14, no. 1, pp. 63–13, 2018.
- [19] K. A. Durowade, O. A. Babatunde, L. O. Omokanye et al., "Early sexual debut: prevalence and risk factors among secondary school students in Ido-ekiti, ekiti state, south-west nigeriaprevalence and risk factors among secondary school students in ido-state, south-west Nigeria," *African Health Sciences*, vol. 17, no. 3, pp. 614–622, 2017.
- [20] World Bank Group, Adolescent Fertility Rate (Births Per 1,000 Women Ages 15-19) Nigeria, World Bank Group, Washington, DC, USA, 2021.
- [21] ReCAPP, ReCAPP: Evidence-Based Programs: Sharp (Sexual Health and Adolescent Risk Prevention), Program Success Center for Sexual & Reproductive Health, 2020, https://www. etr.org/ebi/programs/.
- [22] E. O. Amoo, "Family formation in Africa: trends in age at marriage, union types, patterns and determinants," in *Family Demography and Post-2015 Development Agenda in Africa*, pp. 99–125, Springer, Cham, Switzerland, 2020.
- [23] E. O. Amoo, "Trends and determinants of female age at first marriage in sub-Saharan Africa (1990-2014): what has changed?" African Population Studies, vol. 31, no. 1, 2017.
- [24] P. Obiekea, F. Ovri, and E. Chukwuma, "Sexual education: an intervention and social adjustment programme for youths in secondary education in nigeriaeducation: an intervention and social adjustment programme for youths in secondary education in Nigeria," *African Research Review*, vol. 7, no. 1, pp. 322–339, 2013.
- [25] P. O. Adekola, D. Azuh, D. Adeloye, and E. Amoo, "Urban renewal in Nigeria: a slash and burn approach?" *Environment*, *Development and Sustainability*, vol. 21, no. 5, pp. 2165–2182, 2019.
- [26] C. C. Breuner, G. Mattson, W. P. Adelman et al., "sexuality education for children and adolescentseducation for children and adolescents," *Pediatrics*, vol. 138, no. 2, 2016.
- [27] E. Romero-Estudillo, E. González-Jiménez, M. C. Mesa-Franco, and I. García-García, "Gender-based differences in the high-risk sexual behaviours of young people aged 15-29 in Melilla (Spain): a cross-sectional studya cross-sectional study," *BMC Public Health*, vol. 14, no. 1, 2014.
- [28] S. A. Adedini, J. W. Mobolaji, M. Alabi, and A. O. Fatusi, "Changes in contraceptive and sexual behaviours among unmarried young people in Nigeria: evidence from nationally representative surveysevidence from nationally representative surveys," *PLoS One*, vol. 16, no. 2, Article ID e0246309, 2021.
- [29] C. O. Izugbara and F. Nwabuawele Modo, "Risks and benefits of multiple sexual partnerships: beliefs of rural Nigerian adolescent males.benefits of multiple sexual partnerships: beliefs of rural Nigerian adolescent males," *American Journal* of Men's Health, vol. 1, no. 3, pp. 197–207, 2007.
- [30] J. Todd, I. Cremin, N. Mcgrath et al., "Reported number of sexual partners: comparison of data from four African

longitudinal studies," *Sexually Transmitted Infections*, vol. 85, 2009.

- [31] K. R. Rasmussen and A. Bierman, "Risk or release?: porn use trajectories and the accumulation of sexual partners," *Social Currents*, vol. 5, no. 6, pp. 566–582, 2018.
- [32] S. Yi, V. Te, S. Pengpid, and K. Peltzer, "Social and behavioural factors associated with risky sexual behaviours among university students in nine ASEAN countries: a multi-country cross-sectional studya multi-country cross-sectional study," *SAHARA-J: Journal of Social Aspects of HIV/AIDS*, vol. 15, no. 1, pp. 71–79, 2018.
- [33] A. Adeomi, O. Adeoye, A. Adewole, O. Israel, and A. TemitayoUboh, "sexual risk behaviours among adolescents attending secondary schools in a southwestern state in nigeriarisk behaviours among adolescents attending secondary schools in a southwestern state in Nigeria," *Journal of Behavioral Health*, vol. 3, no. 3, p. 176, 2014.
- [34] H. Amare, "Risky sexual behavior and associated factors among adolescent students in tana haik high school, bahir dar, northern ethiopiasexual behavior and associated factors among adolescent students in tana haik high school, bahir dar, northern Ethiopia," *International Journal of HIV/AIDS Prevention, Education and Behavioural Science*, vol. 3, no. 4, p. 41, 2017.
- [35] C. E. Basch, "Teen pregnancy and the achievement gap among urban minority youthpregnancy and the achievement gap among urban minority youth," *Journal of School Health*, vol. 81, no. 10, pp. 614–618, 2011.
- [36] J. T. Chambliss, R. Evans, A. Bolland, M. S. Wingate, and J. M. Bolland, "Exploring condom use behaviors among african american adolescent boys in the deep southcondom use behaviors among african american adolescent boys in the deep south," *American Journal of Men's Health*, vol. 15, no. 2, 2021.
- [37] A. F. Dadi, "Risky sexual behavior and associated factors among grade 9–12 students in humera secondary school, western zone of tigray, NW Ethiopia," *Science Journal of Public Health*, vol. 2, no. 5, p. 410, 2014.
- [38] B. Fekadu Wakasa, L. Oljira, M. Demena, L. Demissie Regassa, and W. Binu Daga, "Risky sexual behavior and associated factors among sexually experienced secondary school students in Guduru, Ethiopia," *Preventive Medicine Reports*, vol. 23, Article ID 101398, 2021.
- [39] T. Tulloch and M. Kaufman, "Adolescent sexuality," *Pediatrics in Review*, vol. 34, no. 1, pp. 29–38, 2013.
- [40] A. Yaregal Desale, "Prevalence and associated factors of risky sexual behaviours among in-school youth in lalibela town, north wollo zone, amhara regional sate, Ethiopia: a crosssectional study designassociated factors of risky sexual behaviours among in-school youth in lalibela town, north wollo zone, amhara regional sate, Ethiopia: across-sectional study design," *Science Journal of Public Health*, vol. 4, no. 1, p. 57, 2016.
- [41] R. Beauclair, S. Helleringer, N. Hens, and W. Delva, "Age differences between sexual partners, behavioural and demographic correlates, and HIV infection on Likoma Island, Malawi," *Scientific Reports*, vol. 6, no. 1, 2016.
- [42] E. Gouws and B. G. Williams, "Age-mixing and the incidence of HIV among young women," *Elsevier*, vol. 4, no. 1, 2017.
- [43] C. E. Kaestle, D. E. Morisky, and D. J. Wiley, "Sexual Intercourse and the age difference between adolescent females and their romantic partnersintercourse and the age difference between adolescent females and their romantic partners,"

*Perspectives on Sexual and Reproductive Health*, vol. 34, no. 6, pp. 304–309, 2002.

- [44] B. Maughan-Brown, G. George, S. Beckett et al., "hiv risk among adolescent girls and young women in age-disparate partnerships: evidence from kwazulu-natal, south africarisk among adolescent girls and young women in age-disparate partnerships: evidence from kwazulu-natal, south Africa," *JAIDS Journal of Acquired Immune Deficiency Syndromes*, vol. 78, no. 2, pp. 155–162, 2018.
- [45] T. Ramiro-Sánchez, M. T. Ramiro, M. P. Bermúdez, and G. Buela-Casal, "Analysis of coital and non-coital sexual behavior in adolescents: Spain, 2016coital and non-coital sexual behavior in adolescents: Spain, 2016," *Sexuality Research and Social Policy*, vol. 15, no. 4, pp. 409–420, 2018.
- [46] E. Ak. Baku, I. Agbemafle, A. M. Kotoh, and R. M. K. Adanu, "Parents' experiences and sexual topics discussed with adolescents in the accra metropolis, ghana: a qualitative studyexperiences and sexual topics discussed with adolescents in the accra metropolis, ghana: aqualitative study," *Advances in Public Health*, vol. 2018, Article ID 5784902, 12 pages, 2018.
- [47] G. R. Donenberg, F. B. Bryant, E. Emerson, H. W. Wilson, and K. E. Pasch, "Tracing the roots of early sexual debut among adolescents in psychiatric care," *Journal of the American Academy of Child & Adolescent Psychiatry& Adolescent Psychiatry*, vol. 42, no. 5, pp. 594–608, 2003.
- [48] M. A. Longmore, A. L. Eng, P. C. Giordano, and W. D. Manning, "Parenting and adolescents' sexual initiation," *Journal of Marriage and Family*, vol. 71, no. 4, pp. 969–982, 2009.
- [49] W. W. Muhwezi, A. R. Katahoire, C. Banura et al., "Perceptions and experiences of adolescents, parents and school administrators regarding adolescent-parent communication on sexual and reproductive health issues in urban and rural Uganda," *Reproductive Health*, vol. 12, no. 1, pp. 110–16, 2015.
- [50] C. C. Okigbo, C. W. Kabiru, J. N. Mumah, S. A. Mojola, and D. Beguy, "Influence of parental factors on adolescents' transition to first sexual intercourse in Nairobi, Kenya: a longitudinal studya longitudinal study," *Reproductive Health*, vol. 12, no. 1, pp. 73–12, 2015.
- [51] E. Amoo, A. K. Omideyi, T. O. Fadayomi, M. P. Ajayi, G. A. Oni, and A. E. Idowu, "Male reproductive health challenges: appraisal of wives coping strategies," *Reproductive Health*, vol. 14, 2017.
- [52] M. O. Esere, "Effect of sex education programme on at-risk sexual behaviour of school-going adolescents in Ilorin, Nigeria," *African Health Sciences*, vol. 8, no. 2, pp. 120–125, 2008.
- [53] W. Marsiglio and F. L. Mott, "The impact of sex education on sexual activity, contraceptive use and premarital pregnancy among American teenagers," *Family Planning Perspectives*, vol. 18, no. 4, pp. 151–162, 1986.
- [54] A. Odii, C. S. Atama, I. Igwe, N. J. Idemili-Aronu, and N. G. Onyeneho, "Risky sexual behaviours among adolescent undergraduate students in Nigeria: does social context of early adolescence matter?" *Pan African Medical Journal*, vol. 37, no. 188, pp. 1–11, 2020.
- [55] A. Bleakley, M. Hennessy, M. Fishbein, and A. Jordan, "How sources of sexual information relate to adolescents' beliefs about sex," *American Journal of Health Behavior*, vol. 33, no. 1, pp. 37–48, 2009.
- [56] S. Busi, N. Chea, S. B. Biomed, J. Sci, and T. Res, "Barriers of discussion concerning sexual and reproductive health issues among adolescents and parents," *Hawassa, SNNPR, Ethiopia*, vol. 1, 2017.

- [57] J. Cleland, R. Ingham, and N. Stone, *Asking Young People* about Sexual and Reproductive Behaviours: Illustrative Core Instruments, 2001.
- [58] M. Katherine Hutchinson and E. B. Wood, "Reconceptualizing adolescent sexual risk in a parent-based expansion of the theory of planned behavior," *Journal of Nursing Scholarship*, vol. 39, no. 2, pp. 141–146, 2007.
- [59] S. Kusheta, B. Bancha, Y. Habtu, D. Helamo, and S. Yohannes, "Adolescent-parent communication on sexual and reproductive health issues and its factors among secondary and preparatory school students in hadiya zone, southern Ethiopia: institution based cross sectional studyinstitution based cross sectional study 11 medical and health sciences 1117 public health and health services," *BMC Pediatrics*, vol. 19, no. 1, pp. 9–11, 2019.