Sex Education and Men's Sexual and Reproductive Health Practices in a high HIV

prevalence setting:

Does Exposure to Sex Education Improve Sexual and Reproductive Health Outcomes in

Botswana?

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#### Introduction

Formal sex education has been hailed as a key strategy for promoting safer sexual behaviors for men of all ages (Department of Health and Human Services, 2000). Several studies have indicated that sex education programs increase participants' knowledge on human reproduction and methods of contraception and alter some of their attitudes (Kirby 1984). It has been observed that young men who have taken sex education courses report more tolerant attitudes towards the sexual behaviors of others but little change in the values that govern their personal behaviors (Esere 2008). Recently, sex education has received renewed interest, especially in sub Saharan Africa (Esere 2008). Comprehensive sex education has been observed to be effective at assisting young people to make healthy decisions about sex and to adopt healthy sexual behaviors [Alford, 2003, 2008 & Kirby, 2001, 2005).

In Botswana school-based programs that provide young people with sexual health information, life skills, and services to meet their sexual and reproductive health needs have been a subject of debate for some time and there seem to be no remedy in the immediate future. According to Milles (2009) there is no formal sex education in schools in Botswana, and studies show that many parents are uncomfortable talking about sexuality with their children. However, young people receive some information about sexuality and HIV prevention both informally from friends and acquaintances, and through Botswana's HIV prevention social marketing programs (Mills 2009).

Meanwhile a collaborative regional curriculum scan was conducted in 2011, to assess the content, quality, and delivery methods of sexuality education (SE) curricula in ten Eastern and Southern Africa countries, showed that Botswana and Swaziland sex education curricula stood out as the strongest. In fact, in Botswana, both the curriculum and frameworks were opined to be strong and thoughtfully address what it means to grow up in a high HIV prevalence setting (UNESCO &UNFPA, 2012). This inconsistency on sex education literature for Botswana is noteworthy. According to a newspaper report (Mmegi 2011) sex education was the subject of debate at the two-day moral education "Pitso" or Conference, organized by the Ministry of Education and Skills Development (MoE&SD) to solicit ideas from tribal leaders, legislators, churches, teachers and students on the extent and breadth of sex education and issues of sexuality coverage in the Junior Certificate (JC) curriculum.

According to Botswana Council of Non-Governmental Organizations (BOCONGO) sex education should not be opposed as long as it sticks to the basics, such as male and female anatomy, matters of contraceptives and reproduction. Their view is that sex education curricula should consider morality of the society. The main argument was from a moralistic approach that obscures the power dynamics that are the real threat to young people's sexual health and rights. According to the Xinhua News Agency (2011 cited by UNESCO & UNFPA, 2012), '. the government is facing challenges with the textbook evaluation procedures concerning sex education and issues of sexuality coverage in the Junior Certificate (JC) curriculum and currently looking into ways of revising the system' and that the use of the textbook has since been suspended while consultation goes on to get ideas on the depth and context of sex education in moral education.

In Botswana, the 2005 curriculum emphasized promoting tolerance and respect, healthy relationships and communication and decision-making skills while the 2010 framework adds outcomes and indicators on gender equality, human rights, vulnerability reduction and HIV treatment, all of which were missing from the 2005 curriculum. Relatively there are few studies which have attempted to measure behavior effects of sex education programs among young men. To our knowledge there is little evidence on the effects of sex education on men's sexual and reproductive health practices in Botswana. Documentation of whether exposure to sex education affects sexual and reproductive health outcomes is essential for development of proper interventions to maintain and bolster sex education programs. Young people in Botswana need sexuality education that prepares them for accessing sexual and reproductive health services when they need such services. The 2011-2015 UNAIDS strategy recommends comprehensive sexuality education and suggests its incorporation into education and health programmes as a much needed intervention to revolutionize HIV prevention.

In this article we examine the effects of sex education on the sexual reproductive health outcomes of young men in Botswana-specifically focusing on sexual relations, use of contraceptive methods, childbearing, number of partners with biological children and partner antenatal attendance.

### **Research questions**

- What are the characteristics of the survey population?
- What proportion of men has been exposed to sex education?
- Does exposure to sex education influence men's sexual and HIV risk practices / behaviors?
- In particular, does exposure to sex education influence:
  - Engagement in sexual relations?
  - Contraceptive use at first sex?
  - Having children?
  - Number of women with whom men father children?
  - Partner's attendance of ANC?
  - Among men who were exposed to sex education Does the level at which men were exposed (primary; secondary or tertiary) have a significant influence on men's sexual and HIV risk practices / behaviors?

#### Methodology (Including target population, sampling data to be used/or used)

The paper uses data from the Botswana Family Health Survey IV of 2007 (BFHS-IV) to assess the role of exposure to sex education on the sexual and HIV risk behaviors and practices of men in Botswana. The Botswana Family Health Survey IV (BFHS-III) is the fourth in a series of nationally representative demographic surveys whose main objectives were to collect information on fertility, contraception, health and antenatal attendance about men aged 12 to 49 years. The three preceding surveys are the Botswana Family Health Survey 1984 (BFHS-I) and the Botswana Family Health Survey 1988 (BFHS-II) and the Botswana Family Health Survey 1996 (BFHS-III).

The BFHS IV uses a weighted, nationally representative sample of women in the 15-49 age group and men in the age group 12-49 years. The BFHS IV utilized a two-stage sampling design, with the primary sampling unit being the census enumeration areas (EAs) and the second stage being the household. The sample design was self-weighting at household level (within the urban and rural sectors) but not at the national level. In the first stage, EAs were systematically selected, with probability proportional to size in each of the (five) strata, (two urban, three rural) using the following equation:

 $P_i = (a_b * M_{bi}) / M_b$ 

Where  $P_i = first$  stage selection probability  $a_b = number of EAs$  selected in a particular strata

 $M_{bi}$  = measure of size of the *i*-th selected EA

 $M_b$  = measure of size of the strata under consideration

At the second stage, individual households were selected with probability of selection inversely proportional to size, using the following formula:

 $P_i = f / (a_b * M_{bi} / M_b)$ 

Where  $f = P_1 * P_2 = self$ -weight

- Pi = first stage selection probability
- $a_b$  = number of EAs selected in a particular strata
- $M_{bi}$  = measure of size of the *i*-th selected EA
- $M_b$  = measure of size of the strata under consideration

To achieve the required sample size, 7860 households were needed, giving an overall sampling fraction (f) of one in twenty-five (1/25) in urban areas and one in sixty-four (1/64) in rural areas. A total of 393 EAs were selected with probability proportional to size, producing a total of 7,031 that were successfully interviewed with a response rate of 90 percent. The cities/towns and urban villages had almost the same response rate of 90.5 percent and 90.4 percent respectively. In rural areas the response rate was lower at 88.0 percent. In the households interviewed 7,319 women aged 12 -49 years were identified as eligible for the individual questionnaire of which 6,916 were successfully interviewed, giving a response rate of 94.5 percent. A total of 6,712 eligible men (aged 12-49 years) were identified in the households, out of these, 6,101 were successfully interviewed giving a response rate of 90.9 percent slightly lower than the female response rate. Finally 2,837 children aged 0-4 years were listed in the household questionnaire and only 2,726 questionnaires were completed for the children, yielding a response rate of 96.1 percent.

For purposes of this paper, the BFHS IV sample was restricted to include only males between the ages of 12 to 29 years. This resulted in a sample size of 4,030, on which this analysis is based.

## Model

The logistic regression analysis is used to evaluate the effect of exposure to sex education; as well as the effect of level of education at which men were exposed to sex education, on selected indicators of men's sexual and reproductive health practices.

Logistic regression model is suitable for this analysis because it provides an interpretable linear model for a categorical dependent variable. This method also allows us to test the significance of a given predictor whilst controlling for all other predictors in the model (DeMaris, 1992). Even though the model allows for the inclusion of continuous variables, all predictor variables in the model are categorical variables.

Model specification needed: Let  $P_i$  be the probability that the i<sup>th</sup> respondent with sex education) and  $(1 - P_i)$  be the probability that the respondent has not received sex education. Therefore  $P_i / (1 - P_i)$  is equal to the odds that the i<sup>th</sup> respondents with sex education. Also, the log  $P_i / (1 - P_i)$  is the log odds of the i<sup>th</sup> respondents with sex education. Let  $x_{i1}$ ,  $x_{i2}$ ,  $x_{i3}$ , ...,  $x_{ik}$  be a set of k predictor variables. We model the logit instead of  $P_i$  itself because linear models produce predicted values in the  $(-\Box,+\Box)$  range rather than the restricted (0,1) range (Agresti and Finlay, 1986). Then the logit model for the log odds of supporting or contacting children given a particular vector of scores on the k predictor variables is:

$$\log P_i / (1 - P_i) = \beta_0 + \beta_1 x_{i1} + \beta_2 x_{i2} + ... + \beta_k x_{ik}$$

and the corresponding multiplicative model for the odds is:

 $P_i \ / \ (1 \ \text{-} \ P_i) = e^{\beta 0} + e^{\beta 1 x i 1} + e^{\beta 2 x i 2} + ... + e^{\beta k x i k}$ 

The estimates for the regression coefficients are obtained by the method of maximum likelihood. The betas represent the change in the log odds due to the unit increments in the values of the predictors (DeMaris, 1992). Interpreting logistic regression results in terms of odds,  $e^{\beta}$ , is a summary statistic for the partial effect of a given predictor on the odds, controlling for other predictors in the model.

## **Data Analysis**

The 2007 Botswana Family Health Survey solicited responses from 4030 males aged between 12-29 years. In this survey population, 40.2 percent were rural residents and 33.6 percent resided in urban villages. The age distribution mirrors that of the national population, with fewer respondents in the age groups 12-14 years (17.7 percent) and 25-29 years (25.8 percent). It can also be deciphered from the data that the survey population has some form of literacy, with over 95 percent having attained primary education or more. The data also show a predominantly Christian population (71.1 percent), many of the respondents have never been married (86.8 percent) and 32.9 percent were not in employment.

### **Exposure to Sex education**

This study targeted 4030 males aged 12-29 years. Out of the 4027 men aged 12-29 years responding to the question on attendance of sex education classes, 81.9 percent have ever attended classes on sex education. Of the 3266 who attended sex education classes, 52.5 percent attended classes on sex education for the first time while in primary school and the remaining 47.5 were in secondary schools or higher.

Sex education classes covered topics such as HIV/AIDS, Sex, STI's, Physical changes and others as represented in table 2. The data from table 2 shows that most respondents (97.1 per cent) attended classes on HIV/AIDS, this was followed by Sex (96.4 percent), STI's (96.2 percent),, and Physical changes (95.3 percent). Topics on Delivery, Prostitution, Homosexuality and Lactation did not receive as much attendance (see table 2). The mean score was calculated based on the number topics on sex education classes attended. The data produced a mean score of 11.7.

## Bivariate relationship between sex education and sexual practices & outcomes

The data in table 3 shows 51.8 per cent of respondents who have attended classes on sex education have had sexual relations compared with 46.7 percent among those who have not attended classes on sex education. The confidence intervals overlap by a small which may suggest that there are significant differences in sex education and engagement in sexual relations.

A further examination of table 3 shows that use of contraception during the first sexual relation is higher among respondents who attended sex education (88.0 percent) compared with 77.3 percent among those who did not attend sex education classes. There appear to be a statistically significant difference in the proportions since the confidence intervals do not overlap. It can also be found that 38.0 percent of respondents who did not attend sex education classes had a biological child compared with 28.0 percent among those who attended sex education classes. Again these appear to be statistical different since their confidence intervals do not overlap. However, there were no statistically significant differences between respondents who attended sex education classes and those who did not for the following variables: whether the respondent had children with the same woman, whether their partners attended antenatal check-ups and whether they accompanied their partners for antenatal check-ups.

## Association between sex education and sexual and reproductive practices

The data from table 4 shows that male respondents aged 12-29 years who did not attend sex education classes were 1.227 (p = 0.020) more likely not to have ever engaged in sexual relations than respondents who attended sex education classes. It is also evident from this data that respondents who did not receive sex education were 2.149 (p=0.000) times more likely not to have used some form of contraception during their first sexual relation compared to respondents who attended sex education classes. They however were less likely (0.639) (p=0.001) to have never had a child with any woman compared to their counterparts. Meanwhile, respondents who have not attended sex education classes were more likely not to have had children with the same woman (1.095), to have not accompanied their partner on antenatal visit (1.095) and were likely not have had their partner attend antenatal check-ups (1.076), these results were not statistically significant.

# Association between level at which respondents were exposed to sex education and sexual and reproductive practices

Table 5 shows that though respondents who attended sex education classes for the first time at primary level were more likely not to use contraceptives, to have never sired a child with any woman, to have never attended antenatal check-ups with partner, these are not statistically significant. However, respondents who attended sex education classes for the first time at primary level were 1.631 (p=0.000) times more likely to have never engaged in sexual relations compared with the respondents who attended classes on sex education at secondary level or higher..

#### **Brief conclusion**

The study concludes that sex education plays a part in improving life skills in sexual relations, use of contraceptive and childbearing. This is to say that before males have children they use knowledge acquired from attending sex education classes to avert pregnancy and ultimately births. However, there are no differences in behavior with regard antenatal support and siring children with other women.

,,,,,		
Place of residence	Number	Percent
City/Town	1,054	26.2
Urban Village	1,356	33.6
Rural	1,620	40.2
Total	4,030	100.0
Age		
<20	1892	46.9
20-24	1,098	27.2
25-29	1,040	25.8
Total	4,030	100.0
Level of education		
Primary or below	1177	29.2
Secondary or higher	2852	70.8
Total	4,029	100.0
Marital Union Status		
Ever in Union	531	13.2
Never in Union	3,496	86.8
Total	4,027	100.0
Labor participation <sup>1</sup>		
Employed	1,300	67.1
Unemployed	638	32.9
Total	1,938	100.0
Religious affiliation		
Christianity	2,855	71.1
Other Religion	194	4.8
Atheist	966	24.1
Total	4,015	100.0

## Appendix of tables Table 1: Percentage Distribution of the Survey Population by Socio-demographic Characteristics, BFHS 2007

<sup>&</sup>lt;sup>1</sup> The participation rate refers to the number of people who are either employed or are actively looking for work. The respondents who were no longer actively seeking employment were not included in the participation rate.

## Table 2: Exposure and timing of exposure to sex education among men in Botswana, andselected sexual & reproductive practices & outcomes, BFHS 2007

	Number	Percent
Have you ever attended class	ses on sexual education	
Yes	3306	81.9
No	721	18.1
Total	4027	100.0
In which level of education v	vere you when you received the first les	sson
Primary or below	1756	53.1
Secondary or higher	1550	46.9
Total	3306	100.0
The second second second second		
Have you ever had sexual re		50.0
Yes	2054	50.9
No	1972	49.1
Total	4026	100.0
How old were you when you	had sex for the first time	
Less than 20 years	1597	77 8
20-24 years	400	20.0
25-29 years	44	2.2
Total	2041	100.0
	2011	10010
Exposure to radio or televisi	on	
Both radio and television	2618	65.1
Radio only	524	13.3
Television only	379	9.2
None	506	12.4
Total	4027	100.0
Did you or your partner use	any contraceptive method during this	first sexual relation
Yes	1772	86.2
No	282	13.8
Total	2054	100.0
Have you ever had biologica	l children	
Yes	627	29.8

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No	1427	70.2
Total	2054	100.0
How many biological childre	en do you have	
0	1427	70.2
1	400	19.0
2	160	7.6
3+	67	3.2
Total	2054	100.0
How old were you when you	r (first) child was born	
Less than 20 years	108	17.4
20-24 years	359	57.8
25-29 years	158	24.8
Total	625	100.0
Do all of your biological chil	dren have the same biological mother	
Yes	134	61.5
No	91	38.5
Total	225	100.0
When mother was pregnant	with child did she have any antenatal of	check-ups
Yes	444	85.7
No	79	14.3
Total	523	100.0
Were you present during an	y of those antenatal check-ups	
Yes	130	28.1
No	314	71.9
Total	444	100.0

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Table 3: Association between exposures to sex education and selected sexual and
reproductive health practices and outcomes. BFHS 2007

	Have you ever attended classes on sexual education			
Have you ever had sexual relations	Yes	No	Total	
Yes	1711 (51.8)	343 (46.7)	2054 (50.9)	
No	1594 (48.2)	378 (53.3)	1972 (49.1)	
Total	3305	721	4026	
	$\chi^2 = 5.391$	Df = 1	P = 0.000	
How old were you when you had sex for the first time				
Less than 20 years	1360 (79.4)	237 (69.9)	1597 (77.8)	
20-24 years	315 (19.0)	85 (25.3)	400 (20.0)	
25-29 years	28 (1.7)	16 (4.7)	44 (2.2)	
Total	1703	338	2041	
	$\chi^2 = 9.317$	Df = 2	P = 0.000	
Exposure to radio or television				
Both radio and television	2313 (69.7)	305 (44.0)	2618 (65.1)	
Radio only	393 (12.4)	131 (17.5)	524 (13.3)	
Television only	296 (8.7)	83 (11.4)	379 (9.2)	
None	304 (9.2)	202 (27.1)	506 (12.4)	
Total	3306	721	4027	
	$\chi^2 = 67.745$	Df = 3	P = 0.000	
Did you or your partner use any contraceptive method				
during this first sexual relation	1510 (00.0)		1552 (06.2)	
Yes	1510 (88.0)	262 (77.3)	1772 (86.2)	
No	201 (12.0)	81 (22.7)	282 (13.8)	
Total	1711	343	2054	
	$\chi^2 = 24.205$	Df = I	P = 0.000	
Have you ever had biological children	102 (20.2)	124 (20.0)	(27)	
Yes	493 (28.2)	134 (38.0)	627 (29.8)	
	1218 (71.8)	209 (62.0)	1427 (70.2)	
lotal	2 11 020	<b>545</b>	2054 D 0.001	
TT 1'1'1111 1 1	$\chi^{-} = 11.838$	Df = I	P = 0.001	
How many biological children do you have	1010 (71.0)	200 (62.0)	1 407 (70.0)	
1	1218 (71.8)	209 (62.0)	1427 (70.2)	
1	318(18.1)	82 (23.4)	400 (19.0)	
2	134 (7.0)	20(7.3)	100(7.0)	
0+ Total	41 (2.4)	20 (7.1)	07 (5.2)	
10(a)	1/11 <sup>2</sup> 9 457	Df = 2	P = 0.000	
How old more non when your (fingt) shild more how	$\chi = 8.457$	DJ = J	F = 0.000	
How old were you when your (first) child was born	90(167)	29(10.0)	109(174)	
20.24 wears	80(10.7)	28 (19.9)	108(17.4)	
20-24 years	281(37.3)	78 (39.3)	339(37.8)	
20-27 years	130 (23.9)	20 (20.0)	130 (24.8)	
10(a)	491	Df = 2	P = 0.410	
	$\chi = 0.870$	DJ - Z	$1^{\circ} = 0.419$	

Do all of your biological children have the same biological

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102 (62.0)	32 (59.9)	134 (61.5)
71 (38.0)	20 (40.1)	91 (38.5)
173	52	225
$\chi^2 = 0.070$	Df = 1	P = 0.791
357 (88.6)	87 (75.2)	444 (85.7)
52 (11.4)	27 (24.8)	79 (14.3)
409	114	523
$\chi^2 = 12.128$	Df = 1	P = 0.001
105 (28.4)	25 (26.9)	130 (28.1)
252 (71.6)	62 (73.1)	314 (71.9)
357	87	444
$\chi^2 = 0.070$	Df = 1	P = 0.791
	102 (62.0) 71 (38.0) <b>173</b> $\chi^2 = 0.070$ 357 (88.6) 52 (11.4) <b>409</b> $\chi^2 = 12.128$ 105 (28.4) 252 (71.6) <b>357</b> $\chi^2 = 0.070$	$102 (62.0)$ $32 (59.9)$ $71 (38.0)$ $20 (40.1)$ $173$ $52$ $\chi^2 = 0.070$ $Df = 1$ $357 (88.6)$ $87 (75.2)$ $52 (11.4)$ $27 (24.8)$ $409$ $114$ $\chi^2 = 12.128$ $Df = 1$ $105 (28.4)$ $25 (26.9)$ $252 (71.6)$ $62 (73.1)$ $357$ $87$ $\chi^2 = 0.070$ $Df = 1$

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	In which level of ed	ucation were you who	en vou received the
	In which it ver or eu	first lesson	ch you received the
Have you ever had sexual relations	Primary or below	Secondary or higher	Total
Yes	800 (46.3)	911 (58.1)	1711 (51.8)
No	955 (53.7)	639 (41.9)	1594 (48.2)
Total	1755	1550	3305
	$\chi^2 = 39.334$	Df = 1	P = 0.000
How old were you when you			
had sex for the first time			
Less than 20 years	653 (81.8)	707 (77.1)	1360 (79.4)
20-24 years	135 (16.9)	180 (20.9)	315 (19.0)
25-29 years	10 (1.3)	18 (2.0)	28 (1.7)
Total	798	905	1703
	$\chi^2 = 2.572$	Df = 2	P = 0.076
Exposure to radio or television			
Both radio and television	1184 (68.1)	1119 (71.6)	2313 (69.7)
Radio only	218 (12.5)	175 (12.1)	393 (12.4)
Television only	188 (10.5)	108 (6.7)	296 (8.7)
None	156 (8.8)	148 (9.5)	304 (9.2)
Total	1756	1550	3306
	$\chi^2 = 4.338$	Df = 3	P = 0.005
Did you or your partner use any			
contraceptive method during this			
first sexual relation			
Yes	702 (87.5)	808 (88.4)	1510 (88.0)
No	98 (12.5)	103 (11.6)	201 (12.0)
Total	800	911	1711
	$\chi^2 = 0.316$	Df = I	P = 0.5/4
Have you ever had biological children			
Yes	232 (27.2)	261 (29.1)	493 (28.2)
No	568 (72.8)	650 (70.9)	1218 (71.8)
Total	800	911	1711
	$\chi^2 = 0.666$	Df = 1	P = 0.414
How many biological children do you have			
0	568 (72.8)	650 (70.9)	1218 (71.8)
1	153 (17.9)	165 (18.4)	318 (18.1)
2	54 (6.5)	80 (8.7)	134 (7.6)
3+	25 (2.8)	16 (2.0)	41 (2.4)
Total	800	911	1711
	$\chi^2 = 1.183$	Df = 3	P = 0.314

## Table 4: Association between level at which respondents were exposed to sex education and<br/>selected sexual and reproductive health practices and outcomes, BFHS 2007

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How old were you when your (first) child was born			
Less than 20 years	39 (16.8)	41 (16.6)	80 (16.7)
20-24 years	128 (54.5)	153 (59.8)	281 (57.3)
25-29 years	65 (28.7)	65 (23.6)	130 (25.9)
Total	232	259	491
	$\chi^2 = 0.792$	Df = 2	P = 0.453
Do all of your biological children have the same biological mother			
Yes	47 (64.6)	55 (60.0)	102 (62.0)
No	31 (35.4)	40 (40.0)	71 (38.0)
Total	78	95	173
	$\chi^2 = 0.353$	Df = 1	P = 0.552
When mother was pregnant with child did she have any antenatal check-ups			
Yes	169 (85.9)	188 (91.1)	357 (88.6)
No	30 (14.1)	22 (8.9)	52 (11.4)
Total	199	210	409
	$\chi^2 = 2.704$	Df = 1	P = 0.100
Were you present during any of those antenatal check-ups			
Yes	43 (24.0)	62 (32.1)	105 (28.4)
No	126 (76.0)	126 (67.9)	252 (71.6)
Total	169	188	357
	$\chi^2 = 2.538$	Df = 1	P = 0.111

		MODEL 1 MODEL 2 MO								
Exposure t	o sex education	Sig.	Exp (β)	Sig.	Exp (β)	Sig.	Exp (B)			
	Exposed	.020	1.227	.015	1.615	.048	1.494			
	No Exposed		1.000		1.000		1.000			
Place of re	sidence									
	City/Town	.000	1.997	.106	1.396	.451	1.168			
	Urban Village	.062	1.158	.753	1.060	.610	.911			
	Rural		1.000		1.000		1.000			
Age group										
	Less than 20 years	.000	.013	.000	.094	.000	.096			
	20-24 years	.000	.368	.000	.509	.000	.522			
	25-29 years		1.000		1.000		1.000			
Level of ed	lucation									
	Primary or below	.000	.270	.045	.673	.226	.779			
	Secondary or higher		1.000		1.000		1.000			
Marital Ur	nion Status									
	Ever in Union	.000	104.609	.000	16.818	.000	17.216			
	Never in Union		1.000		1.000		1.000			
Labour pa	rticipation									
	Employed	.000	1.952	.040	1.378	.019	1.444			
	Unemployed		1.000		1.000		1.000			
<b>Religious</b> a	iffiliation									
	Christianity	.000	.672	.056	.728	.033	.697			
	Other Religion	.061	1.393	.206	.660	.259	.694			
	No religion		1.000		1.000		1.000			
Exposure t	o radio or television									
-	Both radio and television	.000	1.909			.000	2.561			
	Radio only	.000	2.114			.023	1.777			
	Television only	.632	.930			.030	1.937			
	None		1.000				1.000			
MODEL 1:	Gross effects (dependent and independent	variable	e only)							
MODEL 2:	Net Effects (Independent variable plus bac	ckgroun	d variables)							
MODEL 3:	Net Effects (Independent variable plus bac may have an influence on the dependent v	Net Effects (Independent variable plus background variables) Net Effects (Independent variable plus background variables + any other variables that we feel may have an influence on the dependent variable								

# Table 5: Logistic regression coefficients showing the effect of exposure to sex education on likelihood of having had sexual intercourse

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-		MOL	TT 1	MOD		MOI	FI 3
		MOL	Fyn	MOL		MOI	Evn
Exposure	to sex education	Sig.	Схр (в)	Sig.	Exp (B)	Sig.	Схр (в)
•	Exposed	.000	2.149	.475	1.176	.407	1.217
	No Exposed		1.000		1.000		1.000
Place of re	sidence						
	City/Town	.002	1.693	.033	1.519	.199	1.299
	Urban Village	.000	1.964	.001	1.940	.006	1.808
	Rural		1.000		1.000		1.000
Age group							
	Less than 20 years	.001	2.619	.049	3.193	.020	3.855
	20-24 years	.009	1.468	.718	.939	.911	1.020
	25-29 years		1.000		1.000		1.000
Level of ed	lucation						
	Primary or below	.000	.379	.001	.462	.012	.545
	Secondary or higher		1.000		1.000		1.000
Marital U	nion Status						
	Ever in Union	.000	.400	.000	.442	.000	.456
	Never in Union		1.000		1.000		1.000
Labour pa	rticipation						
	Employed	.379	.862	.513	1.126	.564	1.113
	Unemployed		1.000		1.000		1.000
Religious a	iffiliation						
	Christianity	.941	.988	.414	.862	.337	.838
	Other Religion	.015	.518	.062	.563	.060	.559
	No religion		1.000		1.000		1.000
How old w	ere you when you had sex						
for the firs	t time						
	Less than 20 years	.091	1.978			.830	.893
	20-24 years	.022	2.690			.480	1.476
	25-29 years		1.000				1.000
Exposure	to radio or television						
	Both radio and television	.000	2.308			.175	1.423
	Radio only	.541	.868			.199	.708
	Television only	.050	1.905			.373	1.402
	None		1.000				1.000
MODEL 1:	Gross effects (dependent and independent va	riable or	nly)				

 Table 6: Logistic regression coefficients showing the effect of exposure to sex education on likelihood of using a contraceptive method during first sexual encounter

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MODEL 2: Net Effects (Independent variable plus background variables)

MODEL 3: Net Effects (Independent variable plus background variables + any other variables that we feel may have an influence on the dependent variable

	inclusion of having had	MO	DEL 1	MODEL 2		MODEL 3	
Exposure t	o sex education	Sig.	Exp (B)	Sig.	Exp (β)	Sig.	Exp (B)
	Exposed	.001	.639	.220	.758	.146	.720
	No Exposed		1.000		1.000		1.000
Place of re	sidence						
	City/Town	.106	.817	.121	.770	.234	.807
	Urban Village	.029	.761	.731	.944	.812	.958
	Rural		1.000		1.000		1.000
Age group							
	Less than 20 years	.000	.043	.000	.081	.000	.063
	20-24 years	.000	.215	.000	.336	.000	.287
	25-29 years		1.000		1.000		1.000
Level of ed	ucation						
	Primary or below	.000	1.680	.201	1.314	.168	1.349
	Secondary or higher		1.000		1.000		1.000
Marital Ur	nion Status						
	Ever in Union	.000	9.327	.000	6.092	.000	6.623
	Never in Union		1.000		1.000		1.000
Labour pa	rticipation						
	Employed	.000	2.045	.081	1.303	.074	1.322
	Unemployed		1.000		1.000		1.000
<b>Religious</b> a	ffiliation						
	Christianity	.305	.888	.210	.833	.186	.822
	Other Religion	.977	1.006	.083	.614	.226	.719
	No religion		1.000		1.000		1.000
How old w	ere you when you had sex t time						
	Less than 20 years	.491	1.287			.000	6.762
	20-24 years	.524	1.274			.007	3.805
	25-29 years		1.000				1.000
Exposure t	o radio or television						
•	Both radio and television	.000	.539			.127	.689
	Radio only	.129	.739			.404	.799
	Television only	.018	.545			.046	.500
	None		1.000				1.000
MODEL 1:	Gross effects (dependent and independent var	iable or	ıly)				

## Table 7: Logistic regression coefficients showing the effect of exposure to sex education on likelihood of having had a biological child

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MODEL 2: Net Effects (Independent variable plus background variables)

MODEL 3: Net Effects (Independent variable plus background variables + any other variables that we feel may have an influence on the dependent variable

	internity children	MO	DEL 1	MO	IODEL 2 M		MODEL 3	
<b>Exposure</b> (	to sex education	Sig.	Exp	Sig.	Exp (B)	Sig.	Exp	
P 0.5		~-8'	p (β)	~-8'	P (P)	~-8'	<b>ρ</b> (β)	
	Exposed	.792	1.095	.211	1.802	.178	2.022	
	No Exposed		1.000		1.000		1.000	
Place of re	sidence							
	City/Town	.326	.706	.492	.746	.488	.726	
	Urban Village	.453	.769	.565	.786	.517	.742	
	Rural		1.000		1.000		1.000	
Age group								
	Less than 20 years	-	-	-	-			
	20-24 years	.175	.581	.283	.612	.403	.677	
	25-29 years		1.000		1.000		1.000	
Level of ed	lucation							
	Primary or below	.438	1.292	.284	1.614	.261	1.695	
	Secondary or higher		1.000		1.000		1.000	
Marital Ur	nion Status							
	Ever in Union	.023	2.007	.029	2.129	.028	2.282	
	Never in Union		1.000		1.000		1.000	
Labour pa	rticipation							
	Employed	.409	.737	.166	.571	.091	.471	
	Unemployed		1.000		1.000		1.000	
<b>Religious</b> a	iffiliation							
	Christianity	.781	1.098	.636	1.197	.590	1.233	
	Other Religion	.406	1.754	.335	1.976	.193	2.502	
	No religion		1.000		1.000		1.000	
How old w	ere you when you had sex							
for the firs	t time							
	Less than 20 years	.795	8.0770				3.2640	
	20-24 years	.790	1.3759				5.3720	
	25-29 years		1.000				1.000	
<b>Exposure</b> (	to radio or television							
-	Both radio and television	.052	.429			.294	.562	
	Radio only	.084	.406			.039	.317	
	Television only	.460	.555			.486	.511	
	None		1.000				1.000	
MODEL 1:	Gross effects (dependent and independent	variable	only)					

## Table 8: Logistic regression coefficients showing the effect of exposure to sex education on likelihood of fathering children with more than one woman

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MODEL 2: Net Effects (Independent variable plus background variables)

MODEL 3: Net Effects (Independent variable plus background variables + any other variables that we feel may have an influence on the dependent variable

MOI				unuer	MODEL 2		MODEL 3
Exposure t	o sex education	Sig.	Exp	Sig.	Exp (β)	Sig.	Exp (β)
	Exposed	.001	2.574	.145	1.660	.192	1.614
	No Exposed		1.000		1.000		1.000
Place of rea	sidence						
	City/Town	.630	.861	.193	.632	.136	.595
	Urban Village	.864	.948	.426	.756	.626	.835
	Rural		1.000		1.000		1.000
<mark>Age group</mark>							
	Less than 20 years	<mark>.709</mark>	<mark>.667</mark>	<mark>.000</mark> .	743637608.152	<mark>.000</mark> .	<mark>856836312.148</mark>
	20-24 years	<mark>.243</mark>	<mark>.720</mark>	<mark>.220</mark>	<mark>.686</mark>	<mark>.556</mark>	<mark>.828</mark>
	25-29 years		<mark>1.000</mark>		<mark>1.000</mark>		<mark>1.000</mark>
Level of ed	ucation						
	Primary or below	<mark>.002</mark>	<mark>.424</mark>	<mark>.053</mark>	<mark>.519</mark>	<mark>.039</mark>	<mark>.465</mark>
	Secondary or higher		<mark>1.000</mark>		<mark>1.000</mark>		<b>1.000</b>
<mark>Marital Ur</mark>	<mark>nion Status</mark>						
	Ever in Union	<mark>.126</mark>	<mark>1.486</mark>	<mark>.379</mark>	<mark>1.302</mark>	<mark>.696</mark>	<mark>1.133</mark>
	Never in Union		<mark>1.000</mark>		<mark>1.000</mark>		<b>1.000</b>
Labour participation							
	Employed	<mark>.076</mark>	<mark>1.738</mark>	<mark>.199</mark>	<mark>1.531</mark>	<mark>.224</mark>	<mark>1.545</mark>
	<b>Unemployed</b>		<mark>1.000</mark>		<mark>1.000</mark>		<b>1.000</b>
Religious a	ffiliation						
	Christianity	<mark>.898</mark>	<mark>.963</mark>	<mark>.629</mark>	<mark>.854</mark>	<mark>.647</mark>	<mark>.853</mark>
	Other Religion	<mark>.019</mark>	<mark>.335</mark>	<mark>.029</mark>	<mark>.359</mark>	<mark>.020</mark>	<mark>.321</mark>
	No religion		<mark>1.000</mark>		<mark>1.000</mark>		<b>1.000</b>
How old were you when you had sex							
	Less than 20 years	<mark>.711</mark>	<mark>.673</mark>			<mark>.254</mark>	<mark>.354</mark>
	20-24 years	.750	1.428			<mark>.887</mark>	<mark>.871</mark>
	25-29 years		1.000				<mark>1.000</mark>
Exposure to radio or television							
	Both radio and television	<mark>.414</mark>	<mark>1.354</mark>			<mark>.723</mark>	<mark>1.184</mark>
	Radio only	<mark>.962</mark>	<mark>.978</mark>			<mark>.935</mark>	<mark>1.046</mark>
	Television only	<mark>.963</mark>	<mark>1.030</mark>			<mark>.930</mark>	1.075
	None		1.000				<b>1.000</b>
MODEL 1:	Gross effects (dependent and	l indepe	endent va	riable o	only)		

## Table 9: Logistic regression coefficients showing the effect of exposure to sex education on likelihood of having their partners undergo antenatal check-up

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#### MODEL 2: Net Effects (Independent variable plus background variables)

MODEL 3: Net Effects (Independent variable plus background variables + any other variables that we feel may have an influence on the dependent variable

 Table 10: Logistic regression coefficients showing the effect of level at which respondents were exposed to sex education on likelihood of having had sexual intercourse

		MODEL 1		MODEL 2		MOI	DEL 3
Level of ex	posure to sex education	Sig.	Exp (β)	Sig.	Exp (β)	Sig.	Exp (β)
	Primary or below	0.000	0.620	.167	1.275	.273	1.215
	Secondary or higher		1.000		1.000		1.000
Place of re	sidence						
	City/Town			.380	1.223	1.000	1.000
	Urban Village			.671	1.092	.729	.931
	Rural				1.000		1.000
Age group							
	Less than 20 years			.000	.102	.000	.104
	20-24 years			.001	.500	.002	.501
	25-29 years				1.000		1.000
Level of ed	lucation						
	Primary or below			.119	.671	.282	.754
	Secondary or higher				1.000		1.000
Marital U	nion Status						
	Ever in Union			.000	13.476	.000	13.895
	Never in Union				1.000		1.000
Labour pa	rticipation						
	Employed			.015	1.538	.009	1.583
	Unemployed				1.000		1.000
<b>Religious</b> a	ffiliation						
	Christianity			.441	.862	.330	.825
	Other Religion			.429	.728	.497	.768
	No religion				1.000		1.000
Exposure	to radio or television						
	Both radio and television					.000	2.644
	Radio only					.105	1.705
	Television only					.112	1.786
	None						1.000
MODEL 1:	Gross effects (dependent and independent v	ariable o	nly)				
MODEL 2:	Net Effects (Independent variable plus back	ground v	variables)				

MODEL 3: Net Effects (Independent variable plus background variables + any other variables that we feel may have an influence on the dependent variable

MODEL 1         MODEL 1         MODEL 2         Fina 2         Sig.         Exp (b)         Sig.         Sig. <thi< th=""><th>wei</th><th>e exposed to sex education on incennoe</th><th colspan="2">NODEL 1</th><th></th><th></th><th colspan="2"></th></thi<>	wei	e exposed to sex education on incennoe	NODEL 1					
Level of exposure to sex education         Sig.         Exp         Sig.         Exp (β)         Sig.         Sig. <thsig.< th="">         Sig.         Sig.         &lt;</thsig.<>			MODEL 1		MODEL 2		MODEL 3	
Primary or below         0.574         0.912         999         954         989           Secondary or higher         1.000         1.000         1.000         Place of residence           Place of residence         .020         1.678         .137         1.416           Urban Village         .007         1.867         .028         .1716           Rural         .007         1.867         .028         .1716           Age group         .172         2.521         .083         3.229           20-24 years         .172         2.521         .083         3.229           20-24 years         .171         8.45         .675         .917           25-29 years         .001         .402         .009         .466           Secondary or higher         .001         .402         .009         .466           Secondary or higher         .001         .400         .000         .400           Marital Union Status         .000         .400         .001         .410           Never in Union         .000         .600         .000         .1000         .1000           Eber in Union         .000         .000         .000         .1000         .1000 <t< th=""><th>Level of ex</th><th>posure to sex education</th><th>Sig.</th><th>Exp (β)</th><th>Sig.</th><th>Exp (β)</th><th>Sig.</th><th>Exp (β)</th></t<>	Level of ex	posure to sex education	Sig.	Exp (β)	Sig.	Exp (β)	Sig.	Exp (β)
Secondary or higher         1.000         1.000         1.000           Place of residence		Primary or below	0.574	0.912	.997	.999	.954	.989
Place of residence		Secondary or higher		1.000		1.000		1.000
City/Town       .020       1.678       .137       1.416         Urban Village       .007       1.867       .028       1.716         Rural       .000       .1000       .1000       .000         Age group       .122       2.562       .083       3.229         .20-24 years       .413       .845       .675       .917         .25-29 years       .1000       .1000       .1000       .1000         Level of education       .1000       .1000       .1000       .1000         Marital Union Status       .1000       .1000       .1000       .1000         Rever in Union       .1000       .1000       .1000       .1000         Labour participation       .1000       .1000       .1000       .1000         Religious affiliation       .1000       .1000       .1000       .1000         Religious affiliation       .1000       .1000       .1000       .1000         How old were you when you had sex       .1000       .1000       .1000       .1000         Less than 20 years       .1000       .1000       .1000       .1000       .1000       .1000         Less than 20 years       .1000       .1000       .1000       <	Place of re	sidence						
Initial       1.867       1.867       1.867       1.867       1.867       1.867       1.867       1.867       1.867       1.000         Age group       Intermediate of the set of the se		City/Town			.020	1.678	.137	1.416
Rural1.0001.000Age groupLess than 20 years.1722.562.083.32920-24 years.101.845.675.9172.529 years.1000.1000.1000.1000.1000Level of education.1000.402.009.466Secondary or higher.1000.402.009.461Secondary or higher.1000.1000.1000.1000Marital Union Status.1000.1000.1000.1000Labour participation.1000.1000.1000.1000Employed.6831.037.980.995Other Religion.083.666.065.647Other Religion.1000.1000.1000.1000Hower you when you had sex for the first time.1000.1000.1000Exposure to ratio or television.1000.1000.1000.1000Exposure to ratio or television.1000.1000.1000.1000Exposure to ratio or television.1000.1000.1000.1000Exposure to ratio or television.1000.1000.1000.1000Functional field in the string.1000.1000.1000.1000Image: total field in		Urban Village			.007	1.867	.028	1.716
Age group       .172       2.52       .083       3.292         20-24 years       .172       .845       .675       .917         25-29 years       .100       .100       .100       .100         Level of education       .100       .100       .100       .100       .100         Primary or below       .001       .402       .009       .100		Rural				1.000		1.000
Less than 20 years       .172       2.562       .083       3.229         20-24 years       .413       .845       .675       .917         25-29 years       1.000       1.000       1.000         Level of education       .001       .402       .009       .466         Secondary or higher       .001       .402       .009       .466         Secondary or higher       .000       .000       .400       .000       .413         Marital Union Status       .000       .400       .000       .414         Never in Union       .000       .400       .000       .414         Labour participation       .000       .400       .000       .400         Religious affiliation       .663       1.037       .980       .995         Other Religion       .683       .665       .647       .662         Other Religion       .290       .649       .314       .662         Other Religion       .290       .649       .314       .662         Qored years       .290       .649       .314       .662         Qored years       .290       .649       .314       .662         Qored years       .2925       .	Age group							
20-24 years       .413       .845       .675       .917         25-29 years       1.000       1.000       1.000         Level of education       .001       .402       .009       .466         Secondary or higher       .001       .402       .009       .466         Secondary or higher       .000       .400       .000       .413         Marital Union Status       .000       .400       .000       .414         Never in Union       .000       .400       .000       .414         Never in Union       .000       .400       .000       .414         Labour participation       .000       .400       .000       .413         Religious affiliation       .000       .000       .951         Christianity       .083       .666       .055       .647         Other Religion       .920       .649       .314       .662         No religion       .900       .000       .000       .000       .000         How old were you when you had sex       .000       .000       .000       .000       .000         Less than 20 years       .923       .330       .266       .330       .2626       .330       .2626		Less than 20 years			.172	2.562	.083	3.229
25-29 years       1.000       1.000         Level of education       .001       .402       .009       .466         Secondary or higher       1.000       1.000       .000       .414         Secondary or higher       .000       .400       .000       .414         Narital Union Status       .000       .400       .000       .414         Never in Union       .000       .400       .000       .414         Never in Union       .000       .400       .000       .414         Labour participation       .000       .400       .000       .414         Christianity       .683       1.037       .980       .995         Christianity       .083       .666       .055       .647         Other Religion       .083       .666       .663       .663         No religion       .030       .030       .529       .525         Less than 20 years       .526       .526       .526         .20-24 years       .330       2.026       .529 years       .330         .25-29 years       .5164       .5164       .514         .20-24 years       .5136       .5136       .5147         .20-24 years		20-24 years			.413	.845	.675	.917
Level of education       .001       .402       .009       .461         Secondary or higher       .000       .400       .000         Marital Union Status       .000       .400       .000       .414         Ever in Union       .000       .400       .000       .414         Never in Union       .000       .400       .000       .414         Independent of the provided of t		25-29 years				1.000		1.000
Primary or below       .001       .402       .009       .466         Secondary or higher       1.000       1.000       .000         Marital Union Status       .000       .400       .000       .414         Ever in Union       .000       .400       .000       .414         Never in Union       .000       .000       .400       .000       .414         Mexicipation       .000       .000       .000       .000       .000         Christianity       .863       1.037       .980       .995         Other Religion       .803       .666       .065       .647         Other Religion       .200       .000       .000       .000         How old were you when you had sex       .000       .000       .000       .000         How old were you when you had sex       .000       .000       .000       .000         Less than 20 years       .925       .300       .000       .000         Exposure to radio or television       .000       .000       .000       .000         Exposure to radio ond television	Level of ed	lucation						
Secondary or higher1.0001.0001.000Marital Union Status.0004.00.000.410Ever in Union.000.000.000.1000.1000Labour participation.000.000.000.000.000Chapployed.000.000.000.000.000.000Religious affiliation.000.000.000.000.000Christianity.000.000.000.000.000Other Religion.200.000.000.000.000How old were you when you had sex for the first timeLess than 20 yearsActionate televisionExposure to radio and televisionRadio onlyRadio onlyNoneMomeMomeIntervineIntervineIntervineIntervine <th< td=""><td></td><td>Primary or below</td><td></td><td></td><td>.001</td><td>.402</td><td>.009</td><td>.466</td></th<>		Primary or below			.001	.402	.009	.466
Marital Union Status       .000       .400       .000       .414         Never in Union       .000       .100       .100       .100         Labour participation       .863       1.037       .980       .995         Unemployed       .863       1.037       .980       .995         Christianity       .863       .666       .667       .647         Other Religion       .083       .666       .646       .647         No religion       .990       .1000       .649       .641         How old were you when you had sex       .1000       .649       .641         Cortistianity       .040       .1000       .1000       .649         Less than 20 years       .925       .1068       .202       .2529 years       .1300         Exposure to radio or television		Secondary or higher				1.000		1.000
Ever in Union       .000       .400       .000       .100         Never in Union       1.000       1.000       1.000         Labour participation       .863       1.037       .980       .995         Unemployed       .863       1.037       .980       .900         Religious affiliation       .1000       1.000       1.000       .001         Christianity       .083       .666       .065       .647         Other Religion       .200       .649       .314       .662         No religion       .2000       .000       .000       .000       .000         How old were you when you had sex       .000       .000       .000       .000       .000         Less than 20 years       .925       .000       .000       .000       .000       .000         Exposure to radio or television       .000       .000       .000       .000       .000         Exposure to radio and television       .5136       .613       .613         Addio only       .514       .204       .204         Television only       .514       .204       .204         None       .504       .647       .204         None       .5	Marital U	nion Status						
Never in Union       1.000       1.000         Labour participation       .863       1.037       .980       .995         Unemployed       .863       1.037       .980       .995         Religious affiliation       .000       1.000       1.000       1.000         Religions affiliation       .083       .666       .065       .647         Other Religion       .093       .649       .314       .662         No religion       .090       .000       .000       .649       .649         How old were you when you had sex       .000       .000       .000       .000       .000         How old were you when you had sex       .925       .925       .068       .020       .020       .000         Less than 20 years       .925       .925       .020       .020       .020       .020         20-24 years       .2029 years       .330       .020       .020       .020       .020       .020       .020         Exposure to radio and television       .136       .1316       .1316       .1316       .1317       .1316       .1316       .1317       .1316       .1316       .1316       .1316       .1317       .1316       .1316       .1316 <td></td> <td>Ever in Union</td> <td></td> <td></td> <td>.000</td> <td>.400</td> <td>.000</td> <td>.414</td>		Ever in Union			.000	.400	.000	.414
Labour participation       .863       1.037       .980       .953         Image loged       .863       1.037       .980       .1000         Religious affiliation       .1000       .1000       .1000       .1000         Christianity       .083       .666       .647       .647         Other Religion       .200       .649       .314       .662         No religion       .200       .1000       .1000       .1000         How old were you when you had sex for the first time       .1000       .1000       .1000         Less than 20 years       .525 9 years       .1033       .1033       .1030         Exposure to radio and television       .1030       .1030       .1030       .1030         Radio only       .526       .526       .1363       .1030         None       .1000       .1000       .1000       .1000		Never in Union				1.000		1.000
Employed       .863       1.037       .980       .995         Unemployed       1.000       1.000       1.000         Religious affiliation       .863       .666       .647         Christianity       .083       .666       .065       .647         Other Religion       .290       .649       .314       .662         No religion       .200       .000       1.000       1.000         How old were you when you had sex       .1000       .1000       1.000         How old were you when you had sex       .1000       .1000       .1000         Less than 20 years       .925       1.068       .20-24 years       .1000         20-24 years       .925       1.000       .1000       .1000       .1000         Exposure to radio or television       .136       1.613       .1613       .1613         Both radio and television       .514       .136       .1647         None       .286       1.647       .286       1.647         None       .286       1.647       .1000       .286       .1647	Labour pa	rticipation						
Image       1.000       1.000         Religious affiliation       .083       .666       .647         Christianity       .083       .666       .647         Other Religion       .200       .649       .100         No religion       .000       .000       .000         How old were you when you had sex for the first time       .000       .000       .000         Less than 20 years       .925       .925       1.000         20-24 years       .925       .925       1.000         25-29 years       .000       .000       .000         Exposure to radio or television       .1316       1.613         Radio only       .5136       .647         Television only       .514       .794         None       .516       .5164		Employed			.863	1.037	.980	.995
Religious affiliation       .083       .666       .065       .647         Christianity       .093       .649       .314       .662         Other Religion       .200       .1000       .1000       .1000         How old were you when you had sex for the first time		Unemployed				1.000		1.000
Christianity       .083       .666       .065       .647         Other Religion       .290       .649       .314       .662         No religion       1.000       1.000       1.000         How old were you when you had sex for the first time       .508       .508       1.000         Less than 20 years       .925       1.068       .202         20-24 years       .925       1.000       .000         Exposure to radio or television       .5136       1.000         Exposure to radio and television       .514       .514         Radio only       .514       .514         Television only       .286       .286         None       .286       .286	<b>Religious</b> a	affiliation						
Other Religion       .290       .649       .314       .662         No religion       1.000       1.000       1.000         How old were you when you had sex for the first time		Christianity			.083	.666	.065	.647
No religion         1.000         1.000           How old were you when you had sex for the first time         1.000         1.000           Less than 20 years         .925         1.068           20-24 years         .330         2.026           20-24 years         .330         1.000           Exposure to radio or television		Other Religion			.290	.649	.314	.662
How old were you when you had sex for the first time		No religion				1.000		1.000
for the first time       .925       1.068         Less than 20 years       .925       1.008         20-24 years       .330       2.026         25-29 years       1.000         Exposure to radio or television       1         Both radio and television       .136         Radio only       .514         Television only       .286         None       1.000	How old w	ere you when you had sex						
Less than 20 years       .925       1.068         20-24 years       .330       2.026         25-29 years       1.000         Exposure to radio or television       1         Both radio and television       .136       1.613         Radio only       .514       .794         Television only       .286       1.647         None       1.000       1.000	for the firs	t time						
20-24 years       .330       2.026         25-29 years       1.000         Exposure to radio or television       1         Both radio and television       .136       1.613         Radio only       .514       .794         Television only       .286       1.647         None       1.000		Less than 20 years					.925	1.068
25-29 years1.000Exposure to radio or televisionBoth radio and television.136Radio only.514Television only.286None1.000		20-24 years					.330	2.026
Exposure to radio or televisionBoth radio and television.1361.613Radio only.514.794Television only.2861.647None1.000		25-29 years						1.000
Both radio and television .136 1.613 Radio only .514 .794 Television only .286 1.647 None 1.000	Exposure	to radio or television						
Radio only.514.794Television only.2861.647None1.000	•	Both radio and television					.136	1.613
Television only     .286     1.647       None     1.000		Radio only					.514	.794
None 1.000		Television only					.286	1.647
		None						1.000
MODEL 1: Gross effects (dependent and independent variable only)	MODEL 1:	Gross effects (dependent and independent va	ariable on	ly)				

Table 11: Logistic regression coefficients showing the effect of level at which respondents were exposed to sex education on likelihood of not using a condom at first sex

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MODEL 2: Net Effects (Independent variable plus background variables)

MODEL 3: Net Effects (Independent variable plus background variables + any other variables that we feel may have an influence on the dependent variable