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Socio-Economic Status, HIV/AIDS Knowledge and Stigma, and Sexual Behavior in India

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Abstract

Using data from the National Family Health Surveys (NFHS-3), this paper analyzes the socioeconomic correlates of sexual behavior, HIV/AIDS knowledge and stigma in India. The main findings are that, overall, the Indian population is faithful and abstains from sex with very small variations across socioeconomic classes. However, given the large size of the population, there is still room for some concern as condom use is low, knowledge about the disease is poor, and stigma is high; specially with respect to less educated, poorer, single males and women in general. Obvious policy recommendations are; therefore, to increase condom distribution and awareness, increase very heavily HIV/AIDS basic education, and promote women empowerment with respect to sexual choices.

Key Words: HIV/AIDS, Condom, Stigma, and India

JEL Classification: C13, C25, and O53

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1 Introduction

In the most recent AIDS epidemic update regional summary in Asia (UNAIDS (2007b)), it has been estimated that 2.5 million people in India have HIV and that adult national HIV prevalence is 0.36%. In some states, HIV prevalence is as high as 1.13%. Even though prevalence in India is much lower when compared to some sub-Saharan African countries, the absolute number of infections can be much higher. The fact that India has a population of 1.13 billion people makes HIV/AIDS in this country a point of much concern.

This paper investigates the socioeconomic correlates measured by education, wealth, marital status, and place of residence; of knowledge about AIDS, sexual behavior, and AIDS related stigma in India using population based data from the last available National Family Health Surveys (NFHS-3). Since this data is representative of the entire Indian population, the results are more general and less susceptible to location and selection biases.

One of the most important aspects of this study is the ability it has to identify segments of the general population that are more susceptible to acquiring HIV. Therefore, it becomes clearer where preventive policies should be targeted.

Previous studies investigating the relationship between HIV/AIDS and sexual behavior, HIV/AIDS knowledge and stigma in India have not used representative population samples. Bharat, Aggleton, and Tyrer (2001) using data from Mumbai and Bombay conclude that HIV/AIDS denial and stigma are very high in India reaching hospitals, the place of employment, schools, and even families. Ambati, Ambati, and Rao (1997) using data from educated individuals in southern India conclude that this subgroup of the population have very good knowledge about the disease and support policies to increase AIDS awareness in the population; however, stigma was still found to be somewhat high. The current study shows that knowledge about AIDS in the population is actually very low, but increases with education and wealth. Stigma is also found to be high, but decreasing in education and wealth.

Godbole and Mehendale (2005) report that the main concerns about HIV/AIDS in India are the increase in the number of infected women, stigma, and discrimination; some of their preventive policies suggestions include an increase in condom distribution,

increases in AIDS education among young people and women, and improvements in women’s status; this paper recommends similar policies.

Sexual behavior has not been widely investigated in India. Understanding how people behave when faced with sexual choices is key in enlightening policy makers on how to design successful preventive policies. The so called ABC model of HIV prevention, which has been widely used in the developing world, focuses on three pillars: abstinence, faithfulness, and condom use. The data suggests that the Indian population has high levels of abstinence and faithfulness, and this paper finds a positive association between these behaviors and socioeconomic status. However, condom is not widely used, even in the never married population, specially for women and young single males.

The remainder of this paper is organized as follows. Section 2 describes the data with relevant descriptive statistics. Section 3 discusses all the estimation results and section 4 concludes.

2 Data and Descriptive Statistics

The data in this paper is part of the third wave of the National Family Health Surveys (NFHS-3) in India. This is a population based survey with the goal to provide information about the studied population on family planning, health, nutrition, disease, and more recently HIV/AIDS. In the survey, there are different units of observation. Data was collected on males, females, children, and households. Since the objective of this paper is to investigate the socioeconomic correlates of sexual behavior, and HIV knowledge and stigma at the individual level; variables were selected as to capture these effects only using males and females responses.

There are 8 dependent variables in the analysis; five of them measure individual sexual behavior, two measure HIV/AIDS knowledge, and one variable captures HIV/AIDS stigma. Most of these variables are also used in de Walque (2006) and Corno and de Walque (2007), which makes the results comparable with studies from other countries. Out of the five variables measuring sexual behavior, three disclose information on abstinence, while the remainder two disclose information on condom use and fidelity. It is important to notice that these sexual behavior variables encompasses the three

pillars of HIV/AIDS preventive education advocated by donor countries, especially the United States (PEPFAR), and international agencies in the form of ABC campaigns. Below is a description of these variables¹:

Dependent Variables:

- CU: condom use - interviewees were asked if they used a condom in last sexual intercourse.
- EMS: fidelity - number of sexual partners excluding husband or wife within last year (married individuals only).
- ABT: abstinence - time in months of last sexual encounter (excludes virgins).
- VIR: abstinence - interviewees were asked if they have ever had sex (only never married individuals).
- FS: abstinence - age in years of first sexual intercourse (excludes virgins).
- EHA: HIV/AIDS knowledge - interviewees were asked if they ever heard of AIDS.
- HLP: HIV/AIDS knowledge - interviewees were asked if a healthy looking person can have AIDS.
- VEG: HIV/AIDS stigma - interviewees were asked if they would buy vegetables from an AIDS infected person.

Table 1 reports the weighted means and standard errors for these variables. With the exception of VEG, there are significant differences in the means between males and females. Some of the values reported in table 1 are alarming. While 83% of males report they have heard of AIDS, only 61% of females do so. This implies that the absolute number of people that never heard about AIDS is very large in India, with the majority being females. This could be do to the fact that males are on average more educated than females (see table 2).

The other variable that captures knowledge about the disease (HLP) indicates that 27% of males and 38% of females do not know that a healthy looking person can have AIDS. These two variables suggest very poor knowledge about the disease in the population. Even though stigma about AIDS seems not to vary across gender, it is very

¹For a more precise description of all variables use in this paper, see table 11

strong, as 36% of males and 37% of females report that they would not buy vegetables from an HIV infected person.

With respect to sexual behavior, not many people report using condoms in last sexual intercourse; 8.7% of males and 6.9% of females, or being unfaithful; 1.4% of males and 0.01% of females. Also, there is a large number of virgins in the never married population in India; 86.4% of males and 99.2% of females. One surprising statistic is the average age of first sexual intercourse in males. Males report an average age of 21 years, which is not only higher compared to females (19 years), but much higher than males in Lesotho for example (Corno and de Walque (2007)).

These numbers suggest that overall, the Indian population is abstaining from sex and being faithful ², which are two important steps in preventing the spread of HIV. It seems though that this behavior is not necessarily because AIDS is perceived as a problem, given that AIDS knowledge is limited, but more because of cultural and social characteristics in that region.

The responses about condom use indicate that a very low percentage of individuals are in fact using it. Even when means are calculated for only non-married and sexually active individuals, the proportion of people that claim that a condom was used in last intercourse is still low, although much higher in males ³. This suggests that condom distribution programs coupled with HIV/AIDS education could potentially be the successful route in combating the spread of the disease.

The next step is then to investigate if there are any significant differences in these responses across socioeconomic spheres, which will be left for the following section. To do this, one needs to define the list of independent variables used in the analysis. These variables measure not only socioeconomic characteristics of the population, but also age, place of residence, and religion. Below is a description of these variables.

Independent Variables:

- AGE: age groups in years - the following age groups were recorded: 15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49, 50-54⁴.
- EDUC: level of education - this variable was divided into four categories: no

²Even if people over report faithfulness, the numbers are still extraordinary.

³39% for males and 6.9% for females.

⁴only males.

education, primary education, secondary education, and higher education; which corresponds to the following number of years of education respectively: less than one year, between one and five years, between six and twelve years, and more than twelve years.

- WEALTH: wealth index - constructed using household assets; five categories divided in quintiles⁵.
- MS: marital status - this variable has three categories: never married⁶, currently married, and formerly married.
- LOC: location - this variable has two categories: urban or rural.
- REL: religion - the following categories were recorded: Hindu, Muslim, Christian, Sikh, Buddhist/neo-Buddhist, Jain, Jewish, Parsi/Zoroastrian, Donyi Polo, no religion, and other.
- STATE: state - the following states and territories were recorded: Jammu and Kashmir, Himachal Pradesh, Punjab, Uttaranchal, Haryana, Delhi, Rajasthan, Uttar Pradesh, Bihar, Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Tripura, Meghalaya, Assam, West Bengal, Jharkhand, Orissa, Chhattisgarh, Madhya Pradesh, Gujarat, Maharashtra, Andhra Pradesh, Karnataka, Goa, Kerala, and Tamil Nadu.

The analysis mainly focuses on the effects of education, wealth, location, marital status, and age on sexual behavior, AIDS knowledge, and stigma. The variables religion and state are used as controls. Table 2 has descriptive statistics for most independent variables. Wealth is omitted from the table since it's distribution is uniform conditional on quintiles, that is, the proportion of each category is 0.2 by design.

It is very noticeable that the age distribution is very similar across gender; 48% of males and 54% of females report having less than 30 years of age. The fact that an estimated half of the population falls within these boundaries, and since this is the age group more susceptible to acquiring HIV, special attention should be given to this segment of the population.

⁵For a precise description of this index see the supplemental documentation in NFHS-3.

⁶Includes respondents with Gauna not performed

Even though the proportion of individuals with no education is very large; 18.5% for males and 40.5% for females, on average, males are more educated than females. While 55% of females report having less than a secondary education, 64% of males report having at least secondary education. Both of these indicators can potentially pose a challenge in the design of educational campaigns that teach about HIV/AIDS. About one third of males and females live in urban areas with the remaining living in rural areas. This is consistent with other poor developing countries.

More females than males are currently married with a proportion equal to 75% for females and 64% for males. This implies a greater proportion of single males in the country. A point of concern is that combining some of the statistics presented so far, the supposition that sexually active young single males with limited knowledge about HIV/AIDS are engaging in unprotected sex can be made, which can be dangerous for the spread of the disease. The following section presents a set of results from regression analysis with the variables described above.

3 Results

Tables 3 to 10 display the results. The first five tables investigate the socioeconomic correlates of sexual behavior, while the remaining three assess HIV/AIDS knowledge and stigma. Since most AIDS prevention programs have the objective to promote abstinence, faithfulness, and condom use (ABC campaigns); each regression estimating sexual behavior has one of the three objectives as the dependent variable. Out of the remaining three regressions, two focuses on AIDS knowledge and one on stigma.

With the exception of FS, all other dependent variables are discrete and binary. Hence, a probit regression was fit in each of these cases and ordinary least squares was used in the remaining variable. The benchmark case in each regression is a 15 to 19 year old never married individual with no education, in the poorest wealth quintile, and living in a rural area.

Since all the regressors are categorical, calculating the effects of a change in one of the independent variables on the probability of the dependent variable is more complicated in the probit regressions. Just using the difference in probabilities when one regressor changes evaluated at the mean of every other independent variable has very

little meaning because the average does not represent an actual observation. Hence, average partial effects (APE) were calculated using the method found in Chamberlain (1982), which consists of evaluating the average of all partial effects calculated for each observation⁷. The delta method can then be used to compute robust standard errors of these average partial effects. In what follows, each regression model is analyzed in detail.

3.1 Sexual Behavior

3.1.1 Condom Use

The use of a condom is recommended in every sexual act as a way to decrease the probability of becoming HIV infected. This is true even for married couples. Table 3 presents results from a probit model where respondents were asked if they used a condom during their last sexual intercourse. Three regressions are estimated; one for all males, one for only never married males, and one for all females. Since almost all married respondents report never having extra-marital sex, it was not possible to separate sex with spouse, from sex with someone other than spouse as de Walque (2006) and Corno and de Walque (2007) do. This is why separate regression for only never married males is estimated.

The results indicate that the likelihood of condom use is increasing in education and wealth for all males. That is, a male with higher education is 10.45% more likely to use a condom than a male with no education. Also, the richest of males is 10.15% more likely to use a condom than the poorest of males. The reported APE indicates that the wealthier and more educated a males is, the larger the likelihood of condom use in sex. Living in an urban location slightly increases the likelihood of condom use. Currently married males are 24% less likely to use condoms for sex, which might not be such a problem since married couples appear to be very faithful in India.

When the model was fit only using never married males, only the two top wealth quintiles and location presented significant coefficients. However, the APE on these coefficients is much larger. The wealthiest 20% of never married males are 32.96%

⁷In order to implement this calculation in Stata; see <http://glue.umd.edu/gelbach/ado/margfx.ado> for the code, and <http://glue.umd.edu/gelbach/ado/margfx.pdf> for a description on how to use the command.

more likely to use a condom than the poorest; while the second wealthiest quintile of never married males is 21.73% more likely to use condoms when compared to the same group. This information can potentially be important in preventive campaigns since only 40% of never married males report having used condoms in last sexual intercourse, which implies a very low use of condoms for single men in India, specially in the bottom of the wealth distribution.

Socioeconomic status is not an important determinant of condom use for females. This result differs with respect to findings in Corno and de Walque (2007) for the country of Lesotho. There are two hypothetical explanations for these findings. First, it is possible that the decision to use condoms pertains mostly to males in India, and second, it is possible that sexual encounters across never married individuals is uncorrelated with wealth and education of women. That is, never married males do not use socioeconomic status in their decision to have sex with females and since they are the ones making the decision about condoms, it is expected that socioeconomic status is not a good predictor in the female equation; specially when married couples report a very low incidence of condom use.

3.1.2 Faithfulness

Another pillar of preventive HIV/AIDS campaigns is faithfulness. If a married couple is faithful to one another throughout their marriage, the probability of either one acquiring HIV is very low; assuming the couple does not use injectable drugs. Even though the great majority of married respondents in the survey claim to be faithful, table 4 estimates the socioeconomic effects of extra marital sex. The results indicate that wealth and education have no effect in the decision to engage in extra marital sex in India. While males living in urban areas are less likely to engage in extra marital sex, females are more likely. However, the magnitude of the APE in both regressions is very insignificant; -0.4% for males, and 0.1% for females.

Younger married males are less likely to be faithful than older males. The probability of engaging in extra marital sex for males over the age of 25 is about 1.1% lower when compared to younger males. Again, the magnitude of this effect, even though significant, is very small.

3.1.3 Abstinence

Abstinence is the last pillar in HIV/AIDS preventive campaigns. It is quite obvious that the least amount of sex someone has or the later it takes for someone to begin their sexual life reduces the probability of contracting HIV. Three variables are used to assess the effects of socioeconomic status on abstinence: the time since last sexual intercourse, if ever had sex, and the age at first sex. The first variable captures possible reductions in sexual activity, while the remaining two captures the time of sexual debut.

Time Since Last Sex

Table 5 has the results relating socioeconomic status to abstinence measured by the time since last sexual intercourse. The dependent variable, therefore, equals one if the individual's last sexual intercourse occurred in more than one year, and zero otherwise. In this regression, virgins were not included. All wealth variables have negative increasing coefficients indicating that the wealthier the individual, the smaller the probability that sex occurred over a year. That is, wealthier individuals abstain less. However, the APE of this wealth effect, even though higher for women, is in general small. Only the educational level for males has a significant association with the dependent variable; following the same results as wealth, the more educated males tend to abstain less, but again, the APEs are quite small.

In general, the results indicate that older males are more likely to abstain from sex. The APE relative to ages 15 to 19 of the age groups 40 to 44, 45 to 50, and 51 to 54 is 12.06%, 17.19%, and 26.77% respectively. Abstinence in females is non-linear with respect to age. Females in the age groups 25 to 29 through 40 to 44 abstain less relative to females between the ages of 15 to 19. The greatest average partial difference occurs between females between the ages 35 to 39 and 45 to 49, where the likelihood difference in abstinence is 7%. That is, the older age group is 7% more likely to abstain from sex than females between the ages of 35 and 39.

Currently married individuals are much less likely to abstain, with APE of 48.96% for males and 14.69% for females relative to never married individuals. Living in an urban location reduces the probability of abstinence in both male and female regressions, however, the APE are very small.

Virginity

Never married individuals were asked if they had had sexual intercourse yet. This variable was then used to assess the association between virginity and socioeconomic status and results are displayed in table 6. The main findings are that wealth and education tends to delay first sexual encounter for both males and females. Even though there is no statistical significance in the coefficients representing secondary education and the poorer wealth quintile, which indicates that there is no difference in the likelihood of being a virgin between the poorest and most uneducated people and that particular group; all the coefficients on higher education and the middle wealth quintile and above are statistically significant and positive.

However, the APE are quite different in the males and females regression. While there is a 5.84% increase in the probability of being a virgin in the richest quintile for males, this probability is only 0.9% for females. These numbers follow the same pattern as we move to the richer and middle quintiles, which suggests that the results for males are more robust than the results for females. The same pattern in the partial effects occurs with higher education, while it is 4.1% for males, it is only 0.5% for females.

It is not surprising that age is negatively correlated with virginity. The results, therefore, indicate that the older the individual, the less likely it is that he or she is a virgin. Again the APE are much larger for males, which could indicate that older never married males are more sexually active than older never married females. Location has no effect on virginity of males and females, the likelihood of being a virgin is the same for individuals living in rural and urban areas.

Age at First Sex

The last variable measuring abstinence is the age of first sexual intercourse. Table 7 has the results from ordinary least squares regression with age of sexual debut as the dependent variable for non virgins only. In the regression for males; education, wealth, marital status, age, and location are statistically significant and positive. The results indicate that males with higher education take on average 3 more years to initiate their sexual life. Also, the wealthiest quintile waits 1.6 years more to have sex compared to the poorest quintile.

Younger individuals report a much younger age for sexual initiation. Males aged thirty and above start their sexual life an average of 5 years later than males between the ages of 15 and 19. This could potentially be happening because only males with

sexual experience were included, and therefore, all males between the ages 15 and 19 must have had a sexual encounter with an average age of no more than 19.

The results for females are very similar to males with respect to education and age, however, wealth seems to play almost no role in the age females decide to have sex. A very large difference in effects between males and females happens with respect to marital status. While currently married females on average start sex 6 years younger than never married females, currently married males start sex 1 year older. This result suggests that females marry at a younger age than males. Another result from this model is that males and females living in urban areas abstain from sex on average 6 to 8 months more compared to males and females in rural areas.

After analyzing all the socioeconomic correlates of sexual behavior, some interesting conclusions can be made. In general, fidelity and abstinence are high in India and vary little across socioeconomic classes. The marginal effects reported in the majority of regressions dealing with these two issues are small, which suggests that even where statistically significant differences in wealth and education are found, the magnitude of these differences are negligible. This implies that overall, the Indian population is well suited in these two respects to face a possible HIV/AIDS epidemic.

A realistic point of concern, is the fact that condom is not widely used in India and less educated and poorer males are much less likely to use them. Also, this same demographic has a higher probability of being sexually active and waiting less years before sexual debut, which puts them at a higher risk of contamination. In addition, the fact that no socioeconomic correlate, not even marital status, is associated with condom use for females suggests that female empowerment in sexual decisions might be needed in order to reduce the risk of spread in females.

3.2 HIV/AIDS Knowledge

Two variables in the analysis capture HIV/AIDS knowledge in the Indian population. The first, measures general knowledge of the disease's existence. Individuals were asked if they ever heard of AIDS. The second, measures more specific knowledge about the disease. Out of everyone that ever heard about AIDS, individuals were asked if a healthy looking person could have AIDS. In general, as reported before, knowledge about AIDS

is very poor in India. Only 83% of males and 61% of females report they have heard of AIDS; and only 74% of males and 62% of females report that a healthy looking person can have AIDS (table 1). Below are the findings from two regressions of these two variables.

Ever Heard of AIDS

In table 8 almost every variable in both regressions is statistically significant with somewhat large APE. General knowledge about the existence of AIDS is increasing in wealth, with the wealthiest males being 14.35% more likely to have heard of AIDS than the poorest males. In the female regression this same APE equals 28.39%. Males and females in the fourth wealth quintile are 12.18% and 21.30% more likely to have heard of AIDS than males and females in the lowest wealth quintile respectively. For males and females in quintiles three and two, the APE is 9.26% and 5.75% for males and 13.54% and 7.11% for females.

One surprising result is that males with higher education, even though more likely to have heard of AIDS than males with no education, are 4.2% less likely to have heard of AIDS when compared with males with only secondary education. However, it is still reasonable to conclude that more educated individuals have a better chance to know about the existence of AIDS than do individuals with no education.

Currently married women are 1.9% less likely to know about AIDS than never married women. This same result is not true for males, where there is no statistical difference in knowledge about AIDS between never married and currently married males. Both regressions also show that location plays some role in knowledge, that is, males and females living in urban locations are 5% and 6.45% more likely to have heard of AIDS than males and females in rural areas.

There is some evidence that the effect of age on knowledge is non linear. Males and females between the ages of 20 and 40 appear to have more knowledge about AIDS than young males and females; the opposite is the case for males and females 40 years old or older.

Can Healthy Looking Person Have AIDS

Conditioning on knowledge about the existence of AIDS, the results displayed in table 9 are not surprising. Even though all individuals in that sample knows about AIDS, more educated and wealthier people are more likely to know more about the

disease. The likelihood of knowing that a healthy looking person can have AIDS is increasing in education and wealth for both males and females.

Males with primary education are 3.07% more likely to know that a healthy looking person can have AIDS than males with no education. The likelihood of knowing about this is even larger for males with secondary education and higher education compared to males with no education; 12.27% and 19.66% respectively. The APE on the female regression of these three educational levels is 2.01%, 11.81%, and 25.50%.

Wealth follows the same pattern as education. Compared to the poorest wealth quintile, the APE for males equal 1.65%, 4.16%, 8.34%, and 13.37% going from poorer to richest. In the female regression these same effects equal 1.26%, 4.44%, 8.08%, and 13.99%.

Age has very little effect on the female regression with the only statistical significant difference occurring in females between the age 45 and 49, where they are 2.31% less likely to know that a healthy looking person can have AIDS. In the male regression, age has a positive but non linear effect. Every age group is more likely to know the answer to the question than males between the age 15 and 19, however, males aged 25 to 29 have more knowledge compared to older males.

While marital status has no effect on this measurement of knowledge, location has a positive and significant effect. Males and females living in an urban areas are 1.7% and 1.38% more likely to know that a healthy looking person can have AIDS compared to males and females from rural areas respectively.

3.3 HIV/AIDS Stigma

HIV/AIDS stigma is being measured in this paper by asking individuals if they would buy vegetables from an HIV infected person. Again, the sample only includes individuals that indicated knowledge of the existence of AIDS. The results are displayed in table 10, and the effects reported for males and females are very much alike.

The more educated the individual, the less stigma it has. Compared with not educated males, males with higher education are 27.18% less likely not to buy vegetables from someone HIV infected. These effects are equal to 14.28% and 2.94% for males with secondary and primary education respectively. These effects in the female regression

are equal to 27.14%, 14.54%, and 3.63% going from higher to primary education.

Wealth follows the same pattern as education with increasing partial effects. There is a decreasing relationship between stigma and wealth, with decreasing APE. Going from the richest quintile to the poorer, compared to the poorest quintile, males are 19.56%, 14.89%, 8.25%, and 4.38% less likely not to buy vegetables from an HIV infected person respectively. The numbers for females are smaller than for males but follows the same direction.

More stigma can be associated with marital status; both married males and females are more likely not to buy vegetables from someone with AIDS. The marginal effects are 4.52% for males and 4.41% for females. Also, it seems that older individuals have more stigma; the regression coefficients on people older than 40 are positive and statistically significant in both regressions.

Lastly, living in an urban area is negatively associated with stigma. Urban males are 5.04% less likely not to buy vegetables from an infected person and urban females are 3.08% less likely as well.

4 Conclusion

The overall perception that one has after this analysis is that much has to be done to improve basic information about HIV/AIDS in India. Specially for less educated and poorer individuals. For ABC campaigns to be successful, first it is necessary that the population knows exactly what HIV/AIDS is, and it is apparent that this is not the case in India.

Also, according to the data, the Indian population is very well behaved with respect to faithfulness and absenteeism, but not so much with respect to condom use. It is the combination of poor HIV/AIDS knowledge and low condom use that makes a great segment of the Indian population vulnerable to HIV infection. This vulnerability is mostly on young, uneducated, and poor single males as well as most single women.

The obvious policy recommendation is, therefore, not to focus so much on the first two pillars of the ABC tripod, but to mostly focus resources on condom distribution programs, HIV/AIDS education, and women empowerment. Specially on the less privileged segment of the population.

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A Tables

Table 1: Descriptive Statistics of Dependent Variables

Dependent Variables	Males			Females		
	Mean	SE	Obs.	Mean	SE	Obs.
CU(=1 if used condom in last sex)	0.087	0.001	45328	0.069	0.001	84271
EMS(= 1 if # of sex $\neq$ wif/husb > 0 in past year)	0.014	0.0008	44884	0.0018	0.0001	87951
ABT(= 1 if last sex $>$ year - excludes virgins)	0.050	0.001	49610	0.114	0.001	93994
VIR(= 1 if virgin - never married only)	0.864	0.003	28486	0.992	0.0006	30661
FS(= age in years of first sex - excludes virgins)	21.62	0.028	49728	19.41	0.057	93993
EHA(= 1 if ever heard of AIDS)	0.829	0.002	74362	0.609	0.001	124385
HLP(= 1 knows healthy looking person can have AIDS)	0.732	0.002	65993	0.617	0.002	88382
VEG(= 1 do not buy veg. from person with AIDS)	0.361	0.002	63745	0.369	0.002	83836

Note: all variables weighted with recommended sample weights.

Table 2: Descriptive Statistics of Independent Variables

Independent Variables	Males			Females		
	Mean	SE	Obs.	Mean	SE	Obs.
AGE1 (15-19)	0.174	0.0019	74369	0.199	0.0014	124385
AGE2 (20-24)	0.161	0.0018	74369	0.183	0.0014	124385
AGE3 (25-29)	0.145	0.0017	74369	0.164	0.0013	124385
AGE4 (30-34)	0.131	0.0017	74369	0.141	0.0012	124385
AGE5 (35-39)	0.125	0.0016	74369	0.127	0.0012	124385
AGE6 (40-44)	0.108	0.0016	74369	0.104	0.0011	124385
AGE7 (45-49)	0.090	0.0014	74369	0.078	0.0010	124385
AGE8 (50-54)	0.062	0.0012	74369	n.a.	n.a.	n.a.
EDUC1 (no education)	0.185	0.0020	74338	0.405	0.0018	124385
EDUC2 (primary education)	0.170	0.001	74338	0.147	0.0013	124385
EDUC3 (secondary education)	0.520	0.0025	74338	0.374	0.0017	124385
EDUC4 (higher education)	0.124	0.0016	74338	0.072	0.0008	124385
MS1 (never married)	0.341	0.0023	74369	0.204	0.0014	124385
MS2 (currently married)	0.643	0.0024	74369	0.748	0.0015	124385
MS3 (formerly married)	0.014	0.0006	74369	0.046	0.0007	124385
LOC (urban)	0.365	0.0023	74369	0.328	0.0016	124385

Note: all variables weighted with recommended sample weights.

Table 3: Condom Use

Dependent Variable = 1 if used condom in last sexual intercourse						
Independent Variables	All Males		Never Married Males		Females	
	Coeff.	APE	Coeff.	APE	Coeff.	APE
EDUC2 (Primary Education)	0.0793 [0.0507]	0.0107 [0.0052]	-0.2478 [0.1885]	-0.0783 [0.0418]	-0.0133 [0.0278]	-0.0017 [0.0027]
EDUC3 (Secondary Education)	0.3569*** [0.0422]	0.0467 [0.0042]	0.1419 [0.1565]	0.0456 [0.0356]	-0.0010 [0.0253]	-0.0001 [0.0025]
EDUC4 (Higher Education)	0.6217*** [0.0512]	0.1045 [0.0081]	-0.0456 [0.2021]	-0.0146 [0.0461]	-0.0002 [0.0393]	-0.00002 [0.0042]
WEALTH2 (Poorer Quintile)	0.1442** [0.0574]	0.0200 [0.0059]	0.2775 [0.1741]	0.0889 [0.0377]	-0.0392 [0.0312]	-0.0048 [0.0028]
WEALTH3 (Middle Quintile)	0.3044*** [0.0557]	0.0444 [0.0064]	0.2633 [0.1768]	0.0845 [0.0385]	-0.0203 [0.0316]	-0.0025 [0.0029]
WEALTH4 (Richer Quintile)	0.4651*** [0.0563]	0.0704 [0.0070]	0.6669*** [0.1818]	0.2173 [0.0389]	0.0285 [0.0337]	0.0036 [0.0033]
WEALTH5 (Richest Quintile)	0.6423*** [0.0598]	0.1015 [0.0083]	0.9530*** [0.2025]	0.3296 [0.0452]	0.0178 [0.0381]	0.0022 [0.0038]
MS2 (Currently Married)	-1.1038*** [0.0566]	-0.2402 [0.0125]	—	—	0.0084 [0.0307]	0.0010 [0.0030]
MS3 (Formerly Married)	-0.9764*** [0.2300]	-0.0721 [0.0052]	—	—	0.0586 [0.0514]	0.0077 [0.0055]
AGE2 (20-24)	0.1486* [0.0833]	0.0208 [0.0091]	0.1261 [0.0999]	0.0407 [0.0237]	0.0133 [0.0325]	0.0017 [0.0032]
AGE3 (25-29)	0.1880** [0.0859]	0.0264 [0.0094]	0.1403 [0.1247]	0.0458 [0.0312]	0.0410 [0.0367]	0.0053 [0.0037]
AGE4 (30-34)	0.2533*** [0.0875]	0.0362 [0.0098]	0.2299 [0.1962]	0.0755 [0.0493]	0.0071 [0.0391]	0.0009 [0.0037]
AGE5 (35-39)	0.1823*** [0.0890]	0.0254 [0.0095]	-0.2933 [0.2874]	-0.0905 [0.0802]	0.0296 [0.0396]	0.0038 [0.0039]
AGE6 (40-44)	-0.0066 [0.0906]	-0.0008 [0.0086]	0.2121 [0.5311]	0.0696 [0.1364]	-0.0226 [0.0413]	-0.0028 [0.0039]
AGE7 (45-49)	-0.2753*** [0.0936]	-0.0318 [0.0070]	-0.5722 [0.6540]	-0.1666 [0.1239]	0.0208 [0.0447]	0.0026 [0.0044]
AGE8 (50-54)	-0.4372*** [0.1050]	-0.0458 [0.0062]	-0.3595 [0.4718]	-0.1094 [0.2283]	n.a.	n.a.
LOC (Urban)	0.1626*** [0.0290]	0.0217 [0.0031]	0.2439** [0.1071]	0.0812 [0.0266]	-0.0133 [0.0222]	-0.0017 [0.0022]
Religion Dummies	yes		yes		yes	
State Dummies	yes		yes		yes	
Observations	45291		1992		84235	
LR-Chi	4799.7***		409.95***		1771.95***	
McFadden's pseudo R^2	0.179		0.1535		0.04	

Note: all variables weighted with recommended sample weights. Robust standard errors in brackets.

* significant at 10%; ** significant at 5%; *** significant at 1%. APE = average partial effect.

Table 4: Extra Marital Sex (married individuals only)

Dependent Variable = 1 if number of sexual relations other than wife/husband > 0 in past year				
Independent Variables	Males		Females	
	Coeff.	APE	Coeff.	APE
EDUC2 (Primary Education)	0.1106 [0.0731]	0.0040 [0.0018]	-0.1250 [0.0937]	-0.0006 [0.0003]
EDUC3 (Secondary Education)	-0.0575 [0.0652]	-0.0019 [0.0015]	-0.1232 [0.0801]	-0.0006 [0.0003]
EDUC4 (Higher Education)	-0.0413 [0.1013]	-0.0013 [0.0023]	-0.1483 [0.1426]	-0.0007 [0.0005]
WEALTH2 (Poorer Quintile)	-0.0025 [0.0826]	-0.00008 [0.0018]	0.0033 [0.1142]	0.00002 [0.0004]
WEALTH3 (Middle Quintile)	0.0357 [0.0792]	0.0012 [0.0019]	-0.1121 [0.1113]	-0.0006 [0.0004]
WEALTH4 (Richer Quintile)	0.0533 [0.0897]	0.0018 [0.0022]	-0.0592 [0.1089]	-0.0003 [0.0005]
WEALTH5 (Richest Quintile)	-0.0126 [0.0955]	-0.0004 [0.0025]	-0.0151 [0.1284]	-0.00008 [0.0006]
AGE2 (20-24)	-0.2347 [0.2009]	-0.0069 [0.0030]	0.0560 [0.1673]	0.0003 [0.0008]
AGE3 (25-29)	-0.4698** [0.1969]	-0.0133 [0.0030]	0.1516 [0.1613]	0.0010 [0.0009]
AGE4 (30-34)	-0.5932*** [0.1979]	-0.0163 [0.0030]	0.1691 [0.1606]	0.0011 [0.0009]
AGE5 (35-39)	-0.6297*** [0.1992]	-0.0170 [0.0030]	0.0355 [0.1710]	0.0002 [0.0008]
AGE6 (40-44)	-0.7675*** [0.2049]	-0.0183 [0.0026]	0.1112 [0.1707]	0.0007 [0.0009]
AGE7 (45-49)	-0.8809*** [0.2054]	-0.0185 [0.0022]	0.0282 [0.1765]	0.0001 [0.0008]
AGE8 (50-54)	-0.9045*** [0.2054]	-0.0169 [0.0017]	n.a.	n.a.
LOC (Urban)	-0.1197** [0.0505]	-0.0039 [0.0013]	0.1673** [0.0746]	0.0010 [0.0004]
Religion Dummies	yes		yes	
State Dummies	yes		yes	
Observations	44848		87641	
LR-Chi	433.68***		108.20***	
McFadden's pseudo R^2	0.06		0.05	

Note: all variables weighted with recommended sample weights. Robust standard errors in brackets.

* significant at 10%; ** significant at 5%; *** significant at 1%. APE = average partial effect.

Table 5: Abstinence - time since last sexual intercourse (excludes virgins)

Dependent Variable = 1 if last sexual intercourse > 12 months				
Independent Variables	Males		Females	
	Coeff.	APE	Coeff.	APE
EDUC2 (Primary Education)	-0.0719 [0.053]	-0.0044 [-0.0022]	-0.0308 [0.0243]	-0.0040 [0.0024]
EDUC3 (Secondary Education)	-0.1194** [0.0500]	-0.0074 [0.0022]	-0.0282 [0.0232]	-0.0037 [0.0023]
EDUC4 (Higher Education)	-0.1906** [0.0768]	-0.0109 [0.0030]	-0.0483 [0.0431]	-0.0062 [0.0043]
WEALTH2 (Poorer Quintile)	-0.0563 [0.0608]	-0.0034 [0.0024]	-0.0778*** [0.0273]	-0.0100 [0.0025]
WEALTH3 (Middle Quintile)	-0.1103* [0.0608]	-0.0067 [0.0024]	-0.1020*** [0.0278]	-0.0130 [0.0025]
WEALTH4 (Richer Quintile)	-0.1130* [0.0653]	-0.0068 [0.0027]	-0.1443*** [0.0308]	-0.0181 [0.0028]
WEALTH5 (Richest Quintile)	-0.2902*** [0.0782]	-0.0166 [0.0029]	-0.1537*** [0.0365]	-0.0192 [0.0033]
MS2 (Currently Married)	-2.4488*** [0.0689]	-0.4896 [0.0139]	-0.7126*** [0.1188]	-0.1469 [0.0288]
MS3 (Formerly Married)	0.3767*** [0.0825]	0.0300 [0.0061]	1.9015*** [0.1225]	0.572 [0.0373]
AGE2 (20-24)	0.2582*** [0.0766]	0.0184 [0.0046]	0.0732** [0.0367]	0.0099 [0.0036]
AGE3 (25-29)	0.5144*** [0.0839]	0.0423 [0.0067]	-0.1239*** [0.0374]	-0.0157 [0.0032]
AGE4 (30-34)	0.5454*** [0.0997]	0.0456 [0.0080]	-0.3396*** [0.0391]	-0.0393 [0.0028]
AGE5 (35-39)	0.7151*** [0.1046]	0.0644 [0.0094]	-0.3987*** [0.0395]	-0.0444 [0.0027]
AGE6 (40-44)	1.1420*** [0.1001]	0.1206 [0.0116]	-0.1588*** [0.0398]	-0.0195 [0.0033]
AGE7 (45-49)	1.4382*** [0.0988]	0.1719 [0.0139]	0.1788*** [0.0401]	0.0257 [0.0046]
AGE8 (50-54)	1.8156*** [0.1001]	0.2677 [0.0183]	n.a.	n.a.
LOC (Urban)	-0.0739* [0.0418]	-0.0045 [0.0020]	-0.0538** [0.0208]	-0.0070 [0.0021]
Religion Dummies	yes		yes	
State Dummies	yes		yes	
Observations	49573		93994	
LR-Chi	8055.4***		20001***	
McFadden's pseudo R^2	0.406		0.299	

Note: all variables weighted with recommended sample weights. Robust standard errors in brackets. * significant at 10%; ** significant at 5%; *** significant at 1%. APE = average partial effect.

Table 6: Abstinence - virginity (only never married individuals)

Dependent Variable = 1 if virgin				
Independent Variables	Males		Females	
	Coeff.	APE	Coeff.	APE
EDUC2 (Primary Education)	-0.1133*	-0.0236	-0.0801	-0.0016
	[0.0666]	[0.0092]	[0.1243]	[0.0017]
EDUC3 (Secondary Education)	0.0157	0.0031	0.1754	0.0034
	[0.0572]	[0.0074]	[0.1225]	[0.0015]
EDUC4 (Higher Education)	0.2244***	0.0413	0.3466**	0.0050
	[0.0684]	[0.0078]	[0.1733]	[0.0014]
WEALTH2 (Poorer Quintile)	-0.0125	-0.0025	0.0720	0.0013
	[0.0565]	[0.0074]	[0.1211]	[0.0014]
WEALTH3 (Middle Quintile)	0.0975*	0.0189	0.2236*	0.0038
	[0.0554]	[0.0070]	[0.1269]	[0.0013]
WEALTH4 (Richer Quintile)	0.1799***	0.0343	0.4482***	0.0068
	[0.0573]	[0.0071]	[0.1541]	[0.0013]
WEALTH5 (Richest Quintile)	0.3136***	0.0584	0.6400***	0.0093
	[0.0637]	[0.0075]	[0.1628]	[0.0017]
AGE2 (20-24)	-0.5492***	-0.1203	-0.5145***	-0.0137
	[0.0339]	[0.0054]	[0.0850]	[0.0023]
AGE3 (25-29)	-0.7584***	-0.1937	-0.5606***	-0.0186
	[0.0433]	[0.0091]	[0.1539]	[0.0063]
AGE4 (30-34)	-0.8870***	-0.2474	-0.3241	-0.0086
	[0.0675]	[0.0170]	[0.2250]	[0.0088]
AGE5 (35-39)	-0.8055***	-0.2224	-0.6432**	-0.0240
	[0.1127]	[0.0281]	[0.3052]	[0.0149]
AGE6 (40-44)	-0.4072**	-0.0979	-0.5576	-0.0191
	[0.1576]	[0.0331]	[0.3599]	[0.0167]
AGE7 (45-49)	-0.8685***	-0.2451	-0.8194*	-0.0368
	[0.1673]	[0.0529]	[0.4189]	[0.0295]
AGE8 (50-54)	-0.8311***	-0.2322	n.a.	n.a.
	[0.2052]	[0.0527]		
LOC (Urban)	0.0403	0.0080	0.0403	0.0007
	[0.0344]	[0.0049]	[0.0922]	[0.0014]
Religion Dummies	yes		yes	
State Dummies	yes		yes	
Observations	28457		28912	
LR-Chi	1867.2***		451.66***	
McFadden's pseudo R^2	0.083		0.166	

Note: all variables weighted with recommended sample weights. Robust standard errors in brackets. * significant at 10%; ** significant at 5%; *** significant at 1%. APE = average partial effect.

Table 7: Abstinence - age at first sex (excludes virgins)

Dependent Variable = age in years of first sexual intercourse		
Independent Variables	Males	Females
EDUC2 (Primary Education)	0.1124 [0.0747]	0.3568* [0.1877]
EDUC3 (Secondary Education)	1.0789*** [0.0684]	0.7414*** [0.1639]
EDUC4 (Higher Education)	3.1427*** [0.1031]	3.1711*** [0.2146]
WEALTH2 (Poorer Quintile)	-0.0159 [0.0813]	-0.2627 [0.2113]
WEALTH3 (Middle Quintile)	0.2489*** [0.0842]	-0.1246 [0.2103]
WEALTH4 (Richer Quintile)	0.6992*** [0.0923]	0.4207* [0.2344]
WEALTH5 (Richest Quintile)	1.6370*** [0.1062]	0.0725 [0.2507]
MS2 (Currently Married)	0.9422*** [0.0956]	-6.2010*** [2.1971]
MS3 (Formerly Married)	0.9555*** [0.2197]	-6.5816*** [2.2109]
AGE2 (20-24)	2.3582*** [0.1123]	1.8775*** [0.1554]
AGE3 (25-29)	3.7562*** [0.1216]	3.4590*** [0.1861]
AGE4 (30-34)	4.5089*** [0.1269]	3.5740*** [0.1924]
AGE5 (35-39)	4.7307*** [0.1299]	3.7791*** [0.2056]
AGE6 (40-44)	4.9311*** [0.1348]	3.5874*** [0.2132]
AGE7 (45-49)	5.1132*** [0.1377]	3.6030*** [0.2260]
AGE8 (50-54)	5.2199*** [0.1492]	n.a.
LOC (Urban)	0.5820*** [0.0601]	0.6916*** [0.1486]
Religion Dummies	yes	yes
State Dummies	yes	yes
Observations	49700	93993
F	383.5***	76.61***
R^2	0.304	0.023

Note: all variables weighted with recommended sample weights.
Robust standard errors in brackets. * significant at 10%; ** sig-
nificant at 5%; *** significant at 1%.

Table 8: HIV/AIDS Knowledge - ever heard of AIDS

Dependent Variable = 1 if ever heard of AIDS				
Independent Variables	Males		Females	
	Coeff.	APE	Coeff.	APE
EDUC2 (Primary Education)	0.4870*** [0.0259]	0.0754 [0.0024]	0.5518*** [0.0164]	0.1262 [0.0027]
EDUC3 (Secondary Education)	1.2249*** [0.0262]	0.2346 [0.0035]	1.2129*** [0.0166]	0.3254 [0.0032]
EDUC4 (Higher Education)	2.3146*** [0.0928]	0.1924 [0.0017]	2.5161*** [0.0883]	0.3929 [0.0030]
WEALTH2 (Poorer Quintile)	0.3642*** [0.0274]	0.0575 [0.0027]	0.3172*** [0.0191]	0.0711 [0.0029]
WEALTH3 (Middle Quintile)	0.5936*** [0.0296]	0.0926 [0.0029]	0.5936*** [0.0196]	0.1354 [0.0031]
WEALTH4 (Richer Quintile)	0.8154*** [0.0357]	0.1218 [0.0031]	0.9020*** [0.0217]	0.2130 [0.0035]
WEALTH5 (Richest Quintile)	1.0751*** [0.0460]	0.1435 [0.0032]	1.2231*** [0.0266]	0.2839 [0.0041]
MS2 (Currently Married)	0.0476 [0.0369]	0.0079 [0.0043]	-0.0818*** [0.0226]	-0.0190 [0.0039]
MS3 (Formerly Married)	-0.1339* [0.0720]	-0.0232 [0.0092]	-0.0870** [0.0350]	-0.0202 [0.0061]
AGE2 (20-24)	0.2792*** [0.0394]	0.0441 [0.0040]	0.1661*** [0.0235]	0.0385 [0.0039]
AGE3 (25-29)	0.2437*** [0.0464]	0.0387 [0.0048]	0.1728*** [0.0256]	0.0399 [0.0042]
AGE4 (30-34)	0.0992** [0.0491]	0.0162 [0.0054]	0.1357*** [0.0265]	0.0313 [0.0044]
AGE5 (35-39)	0.0122 [0.0496]	0.0020 [0.0057]	0.1151*** [0.0269]	0.0266 [0.0045]
AGE6 (40-44)	-0.1548*** [0.0506]	-0.0268 [0.0062]	0.0441 [0.0282]	0.0102 [0.0048]
AGE7 (45-49)	-0.2818*** [0.0518]	-0.0503 [0.0067]	-0.0687** [0.0300]	-0.0160 [0.0052]
AGE8 (50-54)	-0.3791*** [0.0547]	-0.0695 [0.0075]	n.a.	n.a.
LOC (Urban)	0.3076*** [0.0267]	0.0499 [0.0030]	0.2712*** [0.0153]	0.0645 [0.0029]
Religion Dummies	yes		yes	
State Dummies	yes		yes	
Observations	74313		124382	
LR-Chi	23452***		63416***	
McFadden's pseudo R^2	0.345		0.381	

Note: all variables weighted with recommended sample weights. Robust standard errors in brackets. * significant at 10%; ** significant at 5%; *** significant at 1%. APE = average partial effect.

Table 9: HIV/AIDS Knowledge - can healthy person have AIDS

Dependent Variable = 1 knows healthy looking person can have AIDS				
Independent Variables	Males		Females	
	Coeff.	APE	Coeff.	APE
EDUC2 (Primary Education)	0.1046*** [0.0290]	0.0307 [0.0057]	0.0577*** [0.0212]	0.0201 [0.0052]
EDUC3 (Secondary Education)	0.3970*** [0.0260]	0.1227 [0.0056]	0.3329*** [0.0186]	0.1181 [0.0046]
EDUC4 (Higher Education)	0.7903*** [0.0358]	0.1966 [0.0048]	0.8252*** [0.0277]	0.2550 [0.0050]
WEALTH2 (Poorer Quintile)	0.0556* [0.0316]	0.0165 [0.0060]	0.0361 [0.0301]	0.0126 [0.0071]
WEALTH3 (Middle Quintile)	0.1419*** [0.0305]	0.0416 [0.0058]	0.1283*** [0.0287]	0.0444 [0.0066]
WEALTH4 (Richer Quintile)	0.2883*** [0.0317]	0.0834 [0.0059]	0.2343*** [0.0291]	0.0808 [0.0067]
WEALTH5 (Richest Quintile)	0.4696*** [0.0351]	0.1337 [0.0064]	0.3986*** [0.0311]	0.1399 [0.0074]
MS2 (Currently Married)	0.0341 [0.0271]	0.0103 [0.0056]	-0.0283 [0.0205]	-0.0099 [0.0052]
MS3 (Formerly Married)	-0.0659 [0.0767]	-0.0202 [0.0162]	-0.0013 [0.0372]	-0.0004 [0.0094]
AGE2 (20-24)	0.1302*** [0.0270]	0.0382 [0.0054]	0.0119 [0.0220]	0.0042 [0.0056]
AGE3 (25-29)	0.2013*** [0.0325]	0.0582 [0.0063]	-0.0172 [0.0255]	-0.0060 [0.0065]
AGE4 (30-34)	0.1727*** [0.0370]	0.0501 [0.0072]	-0.0287 [0.0273]	-0.0101 [0.0069]
AGE5 (35-39)	0.1799*** [0.0388]	0.0520 [0.0074]	-0.0338 [0.0283]	-0.0119 [0.0072]
AGE6 (40-44)	0.1819*** [0.0406]	0.0524 [0.0077]	-0.0463 [0.0298]	-0.0164 [0.0076]
AGE7 (45-49)	0.1047** [0.0422]	0.0307 [0.0083]	-0.0652** [0.0325]	-0.0231 [0.0083]
AGE8 (50-54)	0.1035** [0.0452]	0.0303 [0.0091]	n.a.	n.a.
LOC (Urban)	0.0565*** [0.0182]	0.0170 [0.0040]	0.0393*** [0.0144]	0.0138 [0.0037]
Religion Dummies	yes		yes	
State Dummies	yes		yes	
Observations	65952		88382	
LR-Chi	6037.1***		8443.2***	
McFadden's pseudo R^2	0.079		0.072	

Note: all variables weighted with recommended sample weights. Robust standard errors in brackets. * significant at 10%; ** significant at 5%; *** significant at 1%. APE = average partial effect.

Table 10: Stigma

Dependent Variable = 1 if would not buy vegetables from person with AIDS				
Independent Variables	Males		Females	
	Coeff.	APE	Coeff.	APE
EDUC2 (Primary Education)	-0.0908*** [0.0295]	-0.0294 [0.0065]	-0.1103*** [0.0220]	-0.0363 [0.0050]
EDUC3 (Secondary Education)	-0.4255*** [0.0262]	-0.1428 [0.0061]	-0.4261*** [0.0194]	-0.1454 [0.0047]
EDUC4 (Higher Education)	-0.9537*** [0.0353]	-0.2718 [0.0054]	-0.9467*** [0.0294]	-0.2714 [0.0047]
WEALTH2 (Poorer Quintile)	-0.1362*** [0.0319]	-0.0438 [0.0065]	-0.0203 [0.0314]	-0.0068 [0.0071]
WEALTH3 (Middle Quintile)	-0.2603*** [0.0307]	-0.0825 [0.0062]	-0.1311*** [0.0299]	-0.0431 [0.0066]
WEALTH4 (Richer Quintile)	-0.4725*** [0.0317]	-0.1489 [0.0063]	-0.3130*** [0.0305]	-0.1021 [0.0065]
WEALTH5 (Richest Quintile)	-0.6127*** [0.0349]	-0.1956 [0.0071]	-0.4516*** [0.0327]	-0.1506 [0.0073]
MS2 (Currently Married)	0.1372*** [0.0259]	0.0452 [0.0060]	0.1322*** [0.0219]	0.0441 [0.0052]
MS3 (Formerly Married)	0.0855 [0.0758]	0.0284 [0.0174]	0.0949** [0.0384]	0.0322 [0.0095]
AGE2 (20-24)	-0.0681** [0.0273]	-0.0223 [0.0062]	-0.0458* [0.0235]	-0.0153 [0.0056]
AGE3 (25-29)	-0.0912*** [0.0318]	-0.0297 [0.0073]	0.0093 [0.0270]	0.0031 [0.0065]
AGE4 (30-34)	-0.0044 [0.0357]	-0.0014 [0.0084]	0.0637** [0.0287]	0.0215 [0.0069]
AGE5 (35-39)	0.0340 [0.0376]	0.0112 [0.0088]	0.1123*** [0.0295]	0.0381 [0.0073]
AGE6 (40-44)	0.1539*** [0.0395]	0.0516 [0.0094]	0.1731*** [0.0312]	0.0592 [0.0078]
AGE7 (45-49)	0.1587*** [0.0402]	0.0532 [0.0099]	0.1838*** [0.0340]	0.0629 [0.0085]
AGE8 (50-54)	0.1836*** [0.0438]	0.0618 [0.0108]	n.a.	n.a.
LOC (Urban)	-0.1522*** [0.0177]	-0.0504 [0.0043]	-0.0916*** [0.0150]	-0.0308 [0.0037]
Religion Dummies	yes		yes	
State Dummies	yes		yes	
Observations	63706		83836	
LR-Chi	9545.5***		11611***	
McFadden's pseudo R^2	0.115		0.105	

Note: all variables weighted with recommended sample weights. Robust standard errors in brackets. * significant at 10%; ** significant at 5%; *** significant at 1%. APE = average partial effect.

Table 11: Detailed Description of Variables

Code	Variable	Definition
Dependent Variables		
CU	Condom use	= 1 if individual used condom in last sexual intercourse; = 0 otherwise
EMS	Extra marital sex	= 1 if number of sexual relations with other than wife or husband in past year > 0; = 0 otherwise
ABT	Time in months since last sex	= 1 last sexual intercourse > 12 months; = 0 otherwise
VIR	Virginitiy status	= 1 if never had sex; = 0 otherwise
FS	First sex	Age in years of sexual debut
EHA	General knowledge about AIDS	= 1 if has ever heard of AIDS; = 0 otherwise
HLP	Specific knowledge about AIDS	= 1 if knows a healthy looking person can have AIDS; = 0 otherwise
VEG	HIV/AIDS stigma	= 1 if would not buy vegetable from an AIDS infected person; = 0 otherwise
Independent Variables		
AGE	Age in years	Five year age groups: 15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49, 50-54
EDUC	Years of education	Four categories: less than 1 year, between 1 and 5 years, between 6 and 12 years, and more than 12 years
WEALTH	Wealth index (quintiles)	Weighted average of individual's asset holdings
MS	Marital status	Three categories: never married, currently married, and formerly married
LOC	Location of residence	Either urban or rural
REL	Individual's religion	Religions recorded: Hindu, Muslim, Christian, Sikh, Buddhist/neo-Buddhist, Jain, Jewish, Parsi/Zoroastrian, Donyi Polo, no religion, and other.
STATE	State of residence	All states and territories recorded: Jammu and Kashmir, Himachal Pradesh, Punjab, Uttaranchal, Haryana, Delhi, Rajasthan, Uttar Pradesh, Bihar, Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Tripura, Meghalaya, Assam, West Bengal, Jharkhand, Orissa, Chhattisgarh, Madhya Pradesh, Gujarat, Maharashtra, Andhra Pradesh, Karnataka, Goa, Kerala, and Tamil Nadu.