

Community Characteristics Shaping Sexual Behavior of Young People in 4 African Countries

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Table 1: Distribution of sexual behavior outcome variables among male and female adolescents in Burkina Faso, Ghana, Malawi, and Uganda, 2004.

	Burkina Faso		Ghana		Malawi		Uganda	
	Female	Male	Females	Male	Female	Male	Female	Male
Age at first sex mean (range)	n=772 15.40 (9-19)	n= 634 14.82 (10-19)	n=387 15.44 (6-19)	n=215 14.98 (6-19)	n=441 15.21 (7-19)	n=869 13.86 (7-19)	n=723 14.64 (7-19)	n=817 13.95 (6-19)
Median age at first sex	15	15	16	15	16	14	15	14
Used condom at first sex	n=766 23.67%	n=634 29.97%	n=398 28.89%	n=224 27.23%	n=448 27.68%	n=889 16.65%	n=735 33.47%	n=834 27.64%
Number of lifetime sexual partners mean (range)	n=2965 .34 (0-5)	n= 3050 .40 (0-30)	n=2230 .22 (0-9)	n=2275 .19 (0-30)	n=2001 .33(0-21)	n=2079 1.01 (0-25)	n=2678 .41(0- 18)	n=2584 .67 (0-30)
Percent condom use among males in last three months	*	n=325 43.13%	*	n=75 46.9%	*	n=278 32.7%	*	n=247 45.4%
Used condom at last sex	n=642 24.61%	n=453 45.47%	n=251 33.47%	n=126 44.44%	n=298 22.82%	n=431 36.43%	n=486 26.13%	n=429 46.15%
Alcohol involved at last sex	n=644 8.85%	n=452 7.52%	n=254 7.09%	n=126 12.70%	n=298 5.37%	n=431 2.09%	n=488 11.68%	n=429 8.62%
Transactional sex in last 12 months	n=294 32.31%	*	n=165 72.12%	*	n=145 78.62%	*	n=221 75.11%	*

*Outcome modeled for males/females only

Table 2: Multivariate model for early sex (sex before median age at first sex) among females and males in Burkina Faso, Ghana, Malawi, and Uganda, 2004. Values are OR(95% CI).

	Burkina Faso		Ghana		Malawi		Uganda	
	Female n=1606	Male n=1599	Female n=890	Male n=1188	Female n=779	Male n=1415	Female n=1269	Male n=1654
Current age of respondent	0.87(0.76 - 1.00)	0.77(0.68 - 0.88)	1.01(0.84 - 1.21)	1.05(0.82 - 1.35)	0.86(0.70 - 1.06)	0.86(0.78 - 0.95)	0.81(0.72 - 0.92)	0.77(0.69 - 0.85)
Highest education level (none)								
Primary	0.77(0.46 - 1.28)	1.16(0.77 - 1.77)	1.80(0.83 - 3.89)	1.20(0.33 - 4.33)	0.40(0.14 - 1.08)	1.45(0.53 - 3.92)	0.90(0.45 - 1.84)	0.63(0.22 - 1.80)
Middle (Ghana)	n/a	n/a	1.59(0.74 - 3.43)	0.98(0.25 - 3.80)	n/a	n/a	n/a	n/a
Secondary or higher	0.54(0.25 - 1.15)	1.15(0.64 - 2.08)	0.46(0.16 - 1.35)	0.72(0.14 - 3.80)	0.21(0.07 - 0.64)	1.24(0.42 - 3.69)	0.42(0.18 - 0.98)	0.56(0.18 - 1.74)
Work	1.52(0.96 - 2.39)	1.19(0.75 - 1.87)	1.68(1.02 - 2.76)	0.28(0.11 - 0.71)	0.68(0.31 - 1.50)	1.62(1.14 - 2.32)	1.56(1.01 - 2.42)	0.82(0.56 - 1.18)
Ethnic majority (no)	0.85(0.58 - 1.26)	1.32(0.92 - 1.89)	0.95(0.60 - 1.50)	0.60(0.29 - 1.23)	0.45(0.27 - 0.76)	1.29(0.92 - 1.80)	0.84(0.52 - 1.36)	0.96(0.61 - 1.50)
Religious majority (no)	1.94(1.06 - 3.55)	1.41(0.83 - 2.41)	1.01(0.63 - 1.61)	1.23(0.59 - 2.55)	1.06(0.68 - 1.67)	0.76(0.55 - 1.07)	0.82(0.57 - 1.20)	1.02(0.71 - 1.45)
Live with parent (neither)								
Mother only	0.52(0.25 - 1.09)	1.17(0.63 - 2.16)	0.87(0.52 - 1.47)	0.87(0.36 - 2.11)	0.88(0.52 - 1.49)	1.09(0.73 - 1.63)	0.93(0.57 - 1.50)	1.19(0.78 - 1.82)
Father only	0.29(0.09 - 0.98)	0.59(0.27 - 1.26)	1.39(0.57 - 3.35)	0.62(0.18 - 2.11)	0.54(0.11 - 2.56)	1.27(0.67 - 2.44)	0.55(0.27 - 1.12)	1.31(0.78 - 2.22)
Both	0.52(0.35 - 0.78)	0.78(0.52 - 1.16)	0.66(0.40 - 1.06)	1.05(0.49 - 2.23)	0.62(0.38 - 1.02)	0.90(0.64 - 1.25)	0.66(0.44 - 1.00)	0.94(0.65 - 1.38)
Media exposure index	1.14(1.01 - 1.30)	0.99(0.88 - 1.12)	0.98(0.87 - 1.10)	0.96(0.78 - 1.18)	0.84(0.74 - 0.95)	0.99(0.91 - 1.07)	0.83(0.74 - 0.92)	1.00(0.91 - 1.10)
Belongs to social group	0.94(0.51 - 1.74)	1.87(1.15 - 3.03)	0.76(0.48 - 1.21)	0.50(0.21 - 1.17)	0.65(0.38 - 1.11)	0.96(0.69 - 1.34)	1.07(0.69 - 1.66)	1.16(0.78 - 1.73)
RH Knowledge Index	1.03(0.99 - 1.06)	1.07(1.03 - 1.11)	1.07(1.03 - 1.12)	1.03(0.97 - 1.10)	1.13(1.08 - 1.19)	1.07(1.04 - 1.11)	1.08(1.04 - 1.12)	1.09(1.05 - 1.13)
Participated in puberty rite	1.62(0.68 - 3.87)	0.87(0.45 - 1.67)	0.78(0.37 - 1.65)	1.89(0.55 - 6.51)	1.48(0.93 - 2.35)	1.53(1.12 - 2.09)	1.31(0.84 - 2.05)	1.49(0.98 - 2.28)
Person outside of family talk about sexual matters	1.12(0.76 - 1.67)	1.89(1.25 - 2.86)	1.01(0.64 - 1.60)	1.63(0.82 - 3.23)	0.75(0.48 - 1.16)	1.25(0.91 - 1.72)	1.14(0.81 - 1.61)	1.24(0.88 - 1.73)
Number of close female friends	1.04(0.95 - 1.14)	1.21(1.09 - 1.34)	0.99(0.90 - 1.07)	1.18(1.04 - 1.33)	0.83(0.71 - 0.96)	1.05(0.97 - 1.13)	1.00(0.95 - 1.05)	1.05(1.01 - 1.10)
Number of close male friends	1.03(0.90 - 1.18)	1.00(0.93 - 1.07)	1.01(0.94 - 1.08)	0.98(0.90 - 1.07)	1.19(1.05 - 1.36)	0.95(0.89 - 1.01)	1.03(0.97 - 1.10)	1.00(0.97 - 1.02)
Parents' knowledge	0.78(0.70 - 0.88)	0.78(0.69 - 0.87)	0.84(0.74 - 0.97)	0.78(0.65 - 0.94)	0.90(0.80 - 1.01)	0.85(0.78 - 0.92)	0.86(0.79 - 0.93)	0.81(0.74 - 0.88)
Ever drank alcohol	1.46(0.86 - 2.47)	1.85(1.18 - 2.91)	1.89(1.19 - 3.01)	2.31(1.19 - 4.49)	1.83(0.99 - 3.39)	1.39(0.98 - 1.98)	1.90(1.33 - 2.74)	1.73(1.25 - 2.39)
Weighted economic index	0.92(0.87 - 0.97)	1.00(0.95 - 1.05)	0.97(0.92 - 1.02)	1.03(0.96 - 1.12)	1.01(0.96 - 1.05)	0.98(0.95 - 1.02)	1.02(0.97 - 1.06)	1.02(0.98 - 1.07)
Community economic index	1.11(0.98 - 1.25)	0.95(0.85 - 1.06)	1.02(0.92 - 1.14)	1.07(0.90 - 1.26)	1.08(0.96 - 1.22)	1.08(0.99 - 1.17)	1.01(0.92 - 1.11)	0.85(0.77 - 0.94)
Community religion	1.75(0.44 - 6.97)	0.42(0.12 - 1.40)	0.61(0.19 - 1.93)	1.45(0.26 - 8.24)	0.30(0.11 - 0.84)	0.46(0.22 - 0.96)	0.97(0.43 - 2.21)	1.03(0.47 - 2.25)
Community social group	0.89(0.07 - 11.76)	2.87(0.25 - 33.34)	5.32(1.09 - 26.06)	0.97(0.07 - 13.39)	0.12(0.02 - 0.70)	0.21(0.06 - 0.74)	0.36(0.07 - 1.90)	1.08(0.26 - 4.54)
Community RH knowledge	0.99(0.90 - 1.10)	1.00(0.90 - 1.11)	0.98(0.89 - 1.09)	0.98(0.83 - 1.15)	0.92(0.83 - 1.02)	0.99(0.91 - 1.06)	1.15(1.03 - 1.28)	1.12(1.02 - 1.23)
Community Media Exposure	0.67(0.49 - 0.91)	0.74(0.55 - 1.01)	0.83(0.61 - 1.12)	0.75(0.46 - 1.20)	1.16(0.85 - 1.58)	1.06(0.85 - 1.33)	0.87(0.69 - 1.09)	0.85(0.67 - 1.06)
Community talk with family about sex	1.39(0.14 - 13.57)	1.41(0.15 - 13.19)	1.62(0.48 - 5.47)	2.06(0.36 - 11.83)	5.19(0.93 - 28.84)	4.80(1.50 - 15.31)	1.57(0.43 - 5.70)	0.68(0.20 - 2.28)
Community marriage	5.76(1.34 - 24.85)	2.78(0.54 - 14.31)	18.14(2.24 - 146.90)	1.69(0.18 - 16.17)	1.62(0.25 - 10.44)	0.53(0.13 - 2.11)	11.03(3.38 - 35.94)	3.44(1.04 - 11.37)
Community alcohol	1.04(0.22 - 5.02)	0.11(0.03 - 0.48)	0.17(0.03 - 0.89)	2.94(0.30 - 28.59)	3.69(0.42 - 32.41)	0.17(0.04 - 0.73)	0.21(0.06 - 0.75)	0.20(0.06 - 0.69)

Italicized figures are significant at .05 level

Table 3: Multivariate model for condom use at first sex among females and males in Burkina Faso, Ghana, Malawi, and Uganda, 2004. Values: adjusted odds ratio (95% CI).

	Burkina Faso		Ghana		Malawi		Uganda	
	Females n=732	Males n=601	Females n=359	Males n=208	Females n=426	Males n=851	Females n=673	Males n=772
Age	.95 (.82- 1.10)	1.04 (.93- 1.18)	.97 (.81- 1.16)	1.46 (1.08- 1.96)	.95 (.80- 1.13)	1.18 (1.04- 1.33)	1.17 (1.04- 1.32)	1.49 (1.33- 1.68)
Highest education level (none)								
Primary	1.97 (1.14- 3.41)	1.36 (.83- 2.23)	1.59 (.55- 4.58)	.76 (.12- 4.73)	1.47 (.37- 5.94)	1.27 (.27- 5.98)	.87 (.33- 2.26)	.89 (.26- 3.05)
Secondary	3.67 (1.60- 8.45)	2.11 (.98- 4.53)	2.70 (.91- 8.02)	.77 (.11- 5.48)	2.64 (.61- 11.53)	1.67 (.33- 8.61)	1.76 (.60- 5.11)	1.39 (.38- 5.08)
Tertiary	n/a	n/a	3.56 (.91- 13.90)	1.98 (.22- 17.63)	n/a	n/a	n/a	n/a
Majority ethnic group (No)	1.86 (1.17- 2.98)	1.04 (.68- 1.59)	1.31 (.75- 2.29)	.71 (.31- 1.59)	.94 (.53- 1.67)	1.25 (.77- 1.97)	1.64 (.99- 2.73)	1.10 (.66- 1.82)
Weighted household economic index	1.03 (.97- 1.08)	.98 (.93- 1.03)	1.02 (.95- 1.09)	.98 (.89- 1.07)	1.01 (.95- 1.07)	1.01 (.96- 1.05)	1.01 (.96- 1.06)	1.01 (.96- 1.06)
Live with parent (Neither)								
Mother Only	2.64 (1.23- 2.98)	.89 (.41- 1.97)	1.58 (.84- 2.95)	1.14 (.42- 3.11)	1.78 (.96- 3.28)	89 (.49- 1.64)	2.47 (1.39- 4.42)	1.30 (.79- 2.19)
Father Only	.71 (.22- 2.28)	2.06 (.93- 4.55)	.51 (.13- 2.00)	1.63 (.48- 5.56)	.70 (.13- 3.29)	2.41 (1.10- 5.29)	1.19 (.55- 2.60)	1.67 (.88- 3.17)
Both	.92 (.56- 1.53)	1.58 (.98- 2.57)	1.23 (.67- 2.26)	1.17 (.48- 2.86)	.61 (.33- 1.11)	1.49 (.94- 2.34)	1.27 (.76- 2.13)	1.05 (.67- 1.66)
Parents' knowledge index	.97 (.84- 1.11)	1.08 (.95- 1.23)	1.02 (.87- 1.20)	.99 (.78- 1.25)	1.08 (.94- 1.24)	.93 (.83- 1.05)	.89 (.80- .99)	1.01 (.94- 1.22)
Ever attend sex ed (No)	1.20 (.84- 1.73)	1.15 (.85- 1.57)	.99 (.72- 1.35)	1.68 (1.07- 2.62)	.92 (.65- 1.32)	1.20 (.95- 1.52)	1.38 (1.12- 1.71)	1.11 (.90- 1.35)
Reproductive health knowledge index	1.05 (1.01- 1.10)	1.09 (1.04- 1.15)	1.04 (.98- 1.10)	.92 (.84- .99)	1.04 (.98- 1.11)	1.09 (1.03- 1.14)	1.03 (.99- 1.09)	1.00 (.96- 1.06)
Media exposure index	1.05 (.93- 1.18)	.98 (.87- 1.11)	1.02 (.88- 1.18)	1.14 (.90- 1.43)	1.18 (1.03- 1.37)	.96 (.86- 1.07)	1.13 (1.01- 1.26)	1.12 (1.01- 1.24)
Ever use alcohol (No)	.98 (.63- 1.53)	1.04 (.69- 1.55)	1.06 (.64- 1.76)	1.21 (.54- 2.75)	.90 (.46- 1.78)	.70 (.45- 1.11)	1.06 (.71- 1.58)	.51 (.35- .74)
Talk about sex outside family (No)	.89 (.57- 1.38)	.83 (.52- 1.35)	.77 (.44- 1.35)	.38 (.17- .88)	1.13 (.68- 1.87)	.93 (.60- 1.44)	2.40 (1.56- 3.69)	1.36 (.90- 2.06)
Number of close female friends	.97 (.86- 1.10)	.99 (.88- 1.10)	1.00 (.93- 1.08)	.97 (.87- 1.08)	1.20 (1.02- 1.40)	1.01 (.92- 1.10)	.99 (.94- 1.05)	.96 (.91- 1.02)
Community economic index	.96 (.85- 1.09)	1.15 (1.01- 1.32)	1.00 (.87- 1.16)	1.07 (.85- 1.34)	.93 (.82- 1.06)	.87 (.77- .98)	.91 (.81- 1.02)	1.04 (.93- 1.17)
Community marriage	.01 (.001- .11)	.40 (.05- 3.18)	.13 (.01- 2.96)	1.60 (.03- 77.52)	.02 (.001- .16)	.20 (.03- 1.47)	.17 (.04- .80)	.59 (.14- 2.62)
Community education	.35 (.03- 3.87)	11.41 (.73- 179.30)	.69 (.08- 5.90)	.44 (.01- 15.13)	1.82 (.20- 17.18)	3.41 (.42- 27.37)	*	4.62 (.73- 29.21)
Community sex ed	1.95 (.14- 28.18)	.16 (.01- 2.86)	.15 (.02- .97)	.70 (.05- 10.80)	1.08 (.09- 13.50)	.94 (.11- 7.82)	.12 (.02- .77)	.26 (.05- 1.39)
Community reproductive health knowledge	1.18 (1.02- 1.36)	1.02 (.90- 1.16)	1.07 (.95- 1.21)	1.21 (.98- 1.47)	1.23 (1.07- 1.42)	1.03 (.92- 1.15)	1.07 (.94- 1.22)	1.04 (.92- 1.17)
Community family communication about sex	4.04 (.26- 65.10)	.20 (.01- 3.64)	1.53 (.33- 7.11)	3.1 (.32- 30.14)	.07 (.01- .64)	.71 (.14- 3.70)	4.23 (.90- 19.81)	1.68 (.42- 6.70)

Italicized figures are significant at .05 level

Table 4: Multivariate model for number of lifetime sexual partners among females and males in Burkina Faso, Ghana, Malawi, and Uganda, 2004. Values: beta coefficients (standard error).

	Burkina Faso		Ghana		Malawi		Uganda	
	Female n=2826	Male n=2873	Female n=1995	Male n=2062	Female n=1919	Male n=1995	Female n=2499	Male n=2397
Current age of respondent	<i>0.11(0.01)</i>	<i>0.10(0.01)</i>	<i>0.09(0.01)</i>	<i>0.07(0.01)</i>	<i>0.12(0.01)</i>	<i>0.18(0.02)</i>	<i>0.13(0.01)</i>	<i>0.13(0.02)</i>
Highest education level (none)								
Primary	-0.02(0.03)	0.04(0.05)	-0.01(0.04)	0.12(0.07)	-0.40(0.11)	0.11(0.29)	0.06(0.08)	0.28(0.20)
Middle (Ghana)	n/a	n/a	-0.07(0.05)	0.03(0.08)	n/a	n/a		
Secondary or higher	-0.16(0.04)	0.06(0.08)	-0.28(0.06)	0.07(0.10)	-0.62(0.12)	0.03(0.32)	-0.12(0.09)	0.13(0.22)
Work	0.04(0.03)	0.28(0.07)	0.12(0.04)	0.15(0.05)	0.06(0.07)	0.48 (0.12)	0.04(0.05)	0.25(0.08)
Ethnic majority (no)	<i>0.12(0.02)</i>	<i>0.15(0.04)</i>	<i>0.07(0.03)</i>	0.02(0.04)	-0.07(0.04)	-0.02(0.09)	0.01(0.04)	-0.05(0.08)
Religious majority (no)	<i>0.12(0.03)</i>	0.08(0.06)	-0.03(0.03)	-0.03(0.04)	0.02(0.04)	-0.02(0.09)	-0.02(0.03)	0.08(0.07)
Live with parent (neither)								
Mother only	-0.14(0.04)	0.14(0.08)	0.02(0.03)	-0.16(0.05)	-0.05(0.05)	0.01(0.12)	-0.17(0.04)	0.13(0.08)
Father only	-0.23(0.05)	-0.11(0.08)	0.05(0.05)	-0.04(0.06)	-0.17(0.09)	0.07(0.20)	-0.15(0.06)	0.09(0.10)
Both	-0.23(0.02)	-0.06(0.05)	-0.05(0.03)	-0.10(0.04)	-0.11(0.04)	0.02(0.09)	-0.20(0.03)	0.00(0.07)
Media Exposure Index	0.01(0.01)	-0.00(0.01)	-0.01(0.01)	-0.03(0.01)	-0.02(0.01)	-0.00(0.02)	-0.03(0.01)	0.07(0.02)
Belongs to social group	0.05(0.04)	0.19(0.08)	-0.03(0.03)	-0.04(0.04)	-0.09(0.04)	0.05(0.10)	-0.08(0.04)	-0.07(0.08)
Attended sex ed	-0.01(0.04)	-0.16(0.07)	-0.06(0.03)	-0.07(0.04)	-0.10(0.05)	-0.11(0.11)	-0.02(0.03)	-0.11(0.07)
RH Knowledge Index	<i>0.01(0.00)</i>	<i>0.01(0.00)</i>	<i>0.01(0.00)</i>	<i>0.01(0.00)</i>	<i>0.01(0.00)</i>	<i>0.03(0.01)</i>	<i>0.01(0.00)</i>	0.01(0.01)
Participated in puberty rite	0.11(0.06)	0.19(0.09)	0.02(0.05)	0.11(0.09)	0.12(0.04)	0.66(0.09)	0.08(0.04)	0.14(0.09)
Family member ever talk about sex	0.02(0.03)	0.14(0.06)	0.01(0.02)	0.12(0.04)	-0.03(0.04)	0.13(0.09)	0.01(0.03)	0.11(0.07)
Person outside of family talk about sex	0.08(0.03)	0.21(0.05)	0.00(0.03)	-0.06(0.04)	-0.02(0.04)	0.14(0.09)	0.11(0.03)	0.17(0.06)
Parents' knowledge	-0.08(0.01)	-0.09(0.01)	-0.06(0.01)	-0.05(0.01)	-0.01(0.01)	-0.10(0.02)	-0.07(0.01)	-0.12(0.02)
Number of close female friends	-0.01(0.00)	0.16(0.02)	-0.01(0.01)	0.05(0.01)	-0.02(0.01)	0.06(0.02)	-0.01(0.00)	0.10(0.01)
Number of close male friends	0.03(0.01)	-0.02(0.01)	0.01(0.01)	-0.01(0.01)	0.05(0.01)	0.02(0.02)	0.03(0.01)	-0.02(0.01)
Ever drank alcohol	0.09(0.03)	0.13(0.06)	0.22(0.03)	0.21(0.04)	0.07(0.06)	0.52(0.11)	0.19(0.03)	0.28(0.06)
Weighted economic index	-0.01(0.00)	0.00(0.01)	-0.00(0.00)	-0.00(0.00)	0.00(0.00)	-0.02(0.01)	0.00(0.00)	0.00(0.01)
Community economic index	0.00(0.01)	-0.01(0.01)	0.00(0.01)	-0.00(0.01)	0.01(0.01)	0.03(0.02)	-0.00(0.01)	-0.05(0.02)
Community religion	0.04(0.07)	-0.35(0.15)	0.03(0.07)	-0.03(0.09)	0.07(0.09)	-0.64(0.21)	-0.22(0.07)	-0.40(0.15)
Community social group	-0.13(0.14)	0.20(0.30)	0.20(0.09)	0.06(0.14)	0.08(0.15)	-0.89(0.34)	-0.40(0.15)	-0.09(0.29)
Community sex ed	-0.03(0.13)	0.14(0.27)	0.11(0.08)	0.15(0.12)	-0.30(0.18)	0.20(0.41)	0.09(0.14)	0.76(0.28)
Community RH knowledge index	0.01(0.01)	-0.01(0.01)	-0.01(0.01)	-0.01(0.01)	0.01(0.01)	-0.03(0.02)	0.01(0.01)	0.04(0.02)
Community media exposure index	-0.06(0.02)	-0.06(0.04)	-0.02(0.02)	-0.01(0.03)	0.05(0.03)	-0.01(0.06)	-0.02(0.02)	-0.12(0.04)
Community parents knowledge	-0.04(0.02)	-0.06(0.05)	-0.05(0.03)	0.03(0.04)	-0.07(0.03)	-0.14(0.08)	-0.08(0.03)	-0.33(0.06)
Community marriage	0.63(0.10)	0.57(0.19)	0.72(0.15)	0.27(0.18)	0.99(0.17)	-0.06(0.38)	0.83(0.13)	0.72(0.25)
Community alcohol	0.05(0.08)	-0.52(0.17)	-0.20(0.09)	-0.12(0.13)	-0.20(0.18)	0.11(0.40)	-0.20(0.11)	0.22(0.22)

Italicized figures are significant at .05 level

Table 5: Multivariate model for percent condom use in the last three months among males in Burkina Faso, Ghana, Malawi, and Uganda, 2004. Values are beta coefficients (standard error).

	Burkina Faso	Ghana	Malawi	Uganda
	Males n=307	Males n=70	Males n=271	Males n=230
Age	-.01 (.01)	.05 (.04)	<i>.05 (.01)</i>	<i>.04 (.01)</i>
Work (No)	<i>.11 (.05)</i>	.06 (.12)	<i>-.19 (.06)</i>	.05 (.06)
Weighted household economic index	-.01 (.01)	-.01 (.02)	-.01 (.01)	-.01 (.01)
Reproductive health knowledge index	<i>.03 (.004)</i>	.01 (.01)	<i>.02 (.005)</i>	<i>.03 (.01)</i>
Community economic index	.02 (.02)	.04 (.04)	-.01 (.01)	<i>.04 (.02)</i>
Community education	<i>.60 (.20)</i>	.46 (.32)	.29 (.22)	<i>.47 (.23)</i>
Community pregnant	.22 (.38)	.79 (.76)	-.35 (.36)	<i>.93 (.37)</i>
Community marriage	-.20 (.34)	-.99 (.91)	-.05 (.37)	<i>-1.08 (.37)</i>

Italicized figures are significant at .05 level

Table 6: Multivariate model for condom used at last sex among males and female who have had sex in the last 12 months in Burkina Faso, Ghana, Malawi, and Uganda, 2004. Values reported as adjusted odds ratios (95%CI).

	Burkina Faso		Ghana		Malawi		Uganda	
	Females n=619	Males n=427	Females n=223	Males	Females n=287	Males n=416	Females n=452	Males n=400
Age	1.10 (0.93- 1.31)	1.00 (0.87 - 1.14)	1.36 (1.04 - 1.79)	1.58 (1.07 - 2.33)	1.22 (0.95 - 1.57)	1.31 (1.13 - 1.51)	1.13 (0.94 - 1.35)	1.34 (1.14 - 1.57)
Highest Grade Reached (no school)			*					*
Primary	2.60 (1.43- 4.70)	1.11 (0.66 - 1.88)		2.24 (0.18 - 27.3)	.73 (.15- 3.43)	.55 (.07- 4.64)	.58 (.17- 1.98)	
Secondary	3.15 (1.34- 7.40)	2.28 (0.96 - 5.43)		5.54 (0.42 - 73.4)	.93 (.17- 5.14)	.63 (.07- 6.07)	1.20 (.69- 2.32)	
Tertiary						.54 (.02- 18.24)		
Work	1.08 (0.57- 2.02)	2.06 (1.23 - 3.47)	0.52 (0.23 - 1.18)	1.13 (0.41 - 3.13)	0.37 (0.085 - 1.58)	0.70 (0.39 - 1.23)	1.42 (0.69 - 2.92)	1.00 (0.58 - 1.72)
Ethnic majority	1.79 (1.04- 3.07)	1.28 (0.79 - 2.06)	1.13 (0.53 - 2.41)	1.47 (0.49 - 4.39)	0.84 (0.35 - 2.00)	0.70 (0.39 - 1.25)	1.66 (0.78 - 3.52)	2.39 (1.10 - 5.21)
Media Exposure Index	1.04 (0.90- 1.19)	0.97 (0.84 - 1.11)	0.98 (0.81 - 1.19)	0.96 (0.73 - 1.25)	1.13 (0.91 - 1.41)	1.03 (0.90 - 1.17)	0.96 (0.82 - 1.13)	1.34 (1.15 - 1.57)
Ever been/cause pregnancy	0.49 (0.22- 1.10)	0.42 (0.028 - 6.32)	0.22 (0.084 - 0.55)	0.49 (0.16 - 1.50)	0.29 (0.12 - 0.72)	1.15 (0.40 - 3.31)	0.08 (0.04 - 0.18)	0.76 (0.29 - 1.98)
Currently/formerly married	0.22 (0.10- 0.46)	0.59 (0.18 - 1.93)	0.46 (0.21 - 1.03)	*	0.27 (0.12 - 0.62)	1.16 (0.68 - 1.98)	0.52 (0.29 - 0.95)	0.61 (0.32 - 1.18)
Reproductive health knowledge index	1.06 (1.01- 1.12)	1.13 (1.07 - 1.19)	1.05 (0.98 - 1.14)	1.01 (0.91 - 1.13)	1.10 (1.02 - 1.19)	1.15 (1.08 - 1.21)	1.11 (1.03 - 1.19)	1.14 (1.07 - 1.22)
Talk with family about sex	1.96 (1.10 - 3.50)	1.07 (0.61 - 1.86)	0.74 (0.35 - 1.57)	0.62 (0.23 - 1.67)	1.30 (0.61 - 2.75)	0.99 (0.59 - 1.65)	1.03 (0.56 - 1.90)	1.10 (0.62 - 1.95)
Ever used alcohol	0.87 (0.53 - 1.45)	1.01 (0.64 - 1.60)	1.05 (0.54 - 2.08)	0.87 (0.30 - 2.51)	0.23 (0.066 - 0.79)	0.49 (0.28 - 0.84)	1.30 (0.76 - 2.23)	0.52 (0.31 - 0.86)
Weighted household economic index	1.00 (0.93 - 1.07)	1.01 (0.96 - 1.07)	1.01 (0.92 - 1.12)	0.98 (0.88 - 1.08)	1.05 (0.97 - 1.13)	1.00 (0.94 - 1.06)	1.01 (0.95 - 1.07)	1.04 (0.98 - 1.11)
Community education	*	*	0.07 (0.004 - 1.04)	*	*	*	1.40 (0.13 - 14.7)	2.39 (0.20 - 28.3)
Community reproductive health knowledge	0.97 (0.83 - 1.15)	0.98 (0.85 - 1.12)	1.11 (0.95 - 1.31)	0.96 (0.76 - 1.22)	1.23 (1.02 - 1.48)	0.88 (0.77 - 0.99)	1.18 (1.01 - 1.37)	0.79 (0.68 - 0.92)
Community pregnant	*	*	*	*	*	*	*	*
Community talk with family	*	*	1.15 (0.12 - 11.5)	*	*	*	0.50 (0.054 - 4.69)	0.75 (0.098 - 5.69)
Community parents knowledge	1.05 (0.56 - 1.96)	1.33 (0.77 - 2.31)	0.44 (0.18 - 1.05)	0.59 (0.17 - 2.06)	0.52 (0.30 - 0.90)	0.85 (0.57 - 1.26)	0.89 (0.56 - 1.41)	1.36 (0.87 - 2.12)
Community married	0.049 (0.0008 - 3.24)	*	*	*	*	0.14 (0.003 - 6.28)	*	0.014 (0.001- 1.05)

*Invalid results as indicated by questionably large CI.

Italicized figures significant at .05 level.

Table 7: Multivariate model for alcohol involved in last sex among males and females who have had sex in the last 12 months in Burkina Faso, Ghana, Malawi, and Uganda, 2004. Values reported as adjusted odds ratios (95%CI).

	Burkina Faso		Ghana		Malawi		Uganda	
	Females n=625	Males n=435	Females N=240	Male N=123	Females N=290	Males N=422	Females N=468	Males N=407
Majority religion	<i>0.37 (0.18- 0.79)</i>	0.62 (0.25- 1.57)	1.24 (0.34- 4.57)	0.51 (0.12- 2.11)	0.88 (0.31- 2.52)	1.13 (0.25- 5.06)	1.03 (0.57- 1.86)	0.98 (0.44- 2.19)
Puberty rite	<i>3.12 (1.18- 8.22)</i>	0.26 (0.033- 1.99)	3.32 (0.81- 13.7)	0.77 (0.072- 8.26)	0.98 (0.29- 3.33)	3.66 (0.70- 19.1)	1.15 (0.58- 2.28)	2.28 (0.99- 5.27)
Talk with family about sex	0.75 (0.35- 1.59)	0.85 (0.36- 1.98)	0.97 (0.26- 3.65)	1.62 (0.51- 5.17)	4.87 (1.45- 16.3)	0.27 (0.03- 2.59)	0.78 (0.42- 1.45)	1.01 (0.46- 2.20)
Weighted household economic index	1.01 (0.92- 1.10)	1.06 (0.97- 1.14)	1.03 (0.87-1.22)	1.10 (0.97- 1.23)	0.99 0.88- 1.12)	1.09 (0.91- 1.30)	0.96 (0.89- 1.03)	0.94 (0.86- 1.02)
Community reproductive health index	<i>1.16 (1.02- 1.32)</i>	0.92 (0.78- 1.08)	0.87 (0.72- 1.04)	1.04 (0.84- 1.28)	1.15 (0.89- 1.48)	1.17 (0.84- 1.62)	1.15 (1.00- 1.33)	0.95 (0.79- 1.15)
Community parents knowledge index	0.68 (0.35- 1.32)	1.18 (0.47- 2.92)	5.29 (1.27- 22.1)	0.57 (0.12- 2.72)	0.40 (0.17- 0.96)	1.26 (0.43- 3.70)	0.95 (0.60- 1.51)	0.66 (0.34- 1.28)
Community talk with family about sex	*	*	*	*	*	*	*	*
Community alcohol	<i>6.04 (1.55- 23.5)</i>	<i>6.36 (1.21- 33.4)</i>	*	*	*	*	2.19 (0.32- 15.2)	*

*Invalid results as indicated by questionably large CI
Italicized figures significant at .05 level.

Table 8: Multivariate model for transactional sex at last sex for females who have had sex in the last 12 months in Burkina Faso, Ghana, Malawi, and Uganda, 2004. Values reported as adjusted odds ratios (95%CI).

	Burkina Faso	Ghana	Malawi	Uganda
	Females N=280	Females N=152	Females N=140	Females N=210
Age	<i>0.71 (0.59 - 0.85)</i>	0.91 (0.70 - 1.19)	0.98 (0.76 - 1.28)	<i>1.26 (1.03 - 1.53)</i>
Ethnic majority	<i>2.11 (1.14 - 3.89)</i>	1.08 (0.49 - 2.38)	1.29 (0.43 - 3.84)	<i>3.73 (1.28 - 10.88)</i>
Live with Parent (neither)				
Mother only	0.58 (0.21 - 1.62)	<i>0.29 (0.11 - 0.76)</i>	0.47 (0.24 - 2.25)	0.68 (0.27 - 1.76)
Father only	0.30 (0.065 - 1.60)	0.49 (0.08 - 3.15)	0.30 (0.01 - 6.23)	1.86 (0.34 - 10.18)
Both	1.34 (0.72 - 2.52)	0.54 (0.21 - 1.40)	0.90 (0.33 - 2.46)	1.42 (0.59 - 3.40)
Media exposure index	0.89 (0.76 - 1.04)	0.88 (0.70 - 1.11)	0.82 (0.64 - 1.07)	1.00 (0.82 - 1.22)
Talk with family about sex	1.82 (0.94 - 3.53)	1.17 (0.56 - 2.55)	0.61 (0.25 - 1.50)	1.98 (0.94 - 4.17)
Number of male friends	1.07 (0.87 - 1.33)	.89 (0.76 - 1.04)	.99 (0.81 - 1.21)	<i>1.40 (1.08-1.81)</i>
Weighted household economic index	1.04 (0.95 - 1.15)	1.02 (.91-1.15)	1.00 (0.88 - 1.13)	<i>0.90 (0.82 - 0.98)</i>
Community household economic index	<i>0.84 (0.72 - 0.98)</i>	1.03 (.83-1.28)	0.88 (0.70 - 1.11)	.97 (0.80 - 1.17)
Community reproductive health knowledge	1.04 (0.91 - 1.19)	1.02 (.89-1.16)	1.15 (.97, 1.36)	1.07 (.89-1.28)

Italicized figures significant at .05 level.