

Table 1. Reported experience of forced or coerced sex among male and female students aged 16 years in 2007, by country

Country	Fraction (weighted %) who ever experienced forced or coerced sex	
	Male students	Female students
Botswana	48/408 (11.5)	44/299 (14.7)
Lesotho	127/587 (22.6)	174/790 (21.5)
Malawi	165/436 (37.8)	87/237 (36.9)
Mozambique	124/472 (27.0)	65/290 (21.5)
Namibia	80/334 (24.4)	93/330 (29.4)
South Africa	142/767 (17.7)	176/955 (18.3)
Swaziland	79/562 (13.9)	84/496 (17.2)
Tanzania	119/356 (32.0)	196/460 (42.6)
Zambia	152/572 (26.6)	159/491 (33.4)
Zimbabwe	45/219 (20.2)	23/140 (15.7)
All countries combined	1093/4762 (25.4)	1118/4554 (28.8)

Table 2. Age standardised comparison between 2003 and 2007: experience of forced or coerced sex among school-going youth aged 11-16 years, in schools which conducted both surveys

Country	Male					Female				
	2003		2007		Age standardised contrast 2007/2003 RR (95%CI)	2003		2007		Age standardised contrast 2007/2003 RR (95%CI)
	Cases/total	Age standardised Rate	Cases/total	Age standardised Rate		Cases/total	Age standardised Rate	Cases/total	Age standardised Rate	
Botswana	163/1006	0.164	295/2812	0.0995	0.61 (0.49-0.75)	142/1215	0.113	348/3342	0.099	0.88 (0.74-1.05)
Lesotho	352/1917	0.170	416/2071	0.211	1.24 (1.04-1.49)	451/2805	0.156	499/3269	0.137	0.88 (0.75-1.02)
Malawi	521/1829	0.258	517/1904	0.246	0.95 (0.83-1.10)	479/1822	0.249	465/1698	0.255	1.02 (0.89-1.17)
Mozambique	233/947	0.268	479/2043	0.264	0.98 (0.69-1.39)	153/698	0.180	291/1562	0.179	0.99 (0.77-1.28)
Namibia	325/1313	0.234	332/1355	0.238	1.02 (0.84-1.23)	397/1736	0.219	394/1698	0.209	0.95 (0.84-1.12)
Swaziland	259/2024	0.122	249/2389	0.091	0.75 (0.62-0.90)	360/2792	0.121	358/2948	0.116	0.96 (0.83-1.13)
Zambia	501/1807	0.241	418/1699	0.236	0.98 (0.79-1.21)	526/1837	0.249	495/2012	0.221	0.89 (0.75-1.03)
Zimbabwe	202/1247	0.109	511/2772	0.183	1.68 (1.41-1.94)	326/1577	0.192	527/3461	0.154	0.80 (0.53-1.20)

* direct age standardisation on Botswana 2007 male population.

Table 3. Risk factors for lifetime experience of sexual violence in school-going male and female youth aged 11-16 years in 2007

Characteristics	Categories	Lifetime experience of sexual violence ¹			
		Male		Female	
		Proportions	Odds Ratio (95% CI) ²	Proportions	Odds Ratio (95% CI) ²
Individual and household variables					
Age group	11-13 years	1137/6591	1.13 (1.03-1.23)	1114/9076	1.71 (1.52-1.92)
	14-16 years	2943/15022		3318/16764	
Area of residence	Urban	1685/10007	1.10 (0.98-1.25)	1840/12237	1.09 (0.96-1.25)
	Rural	2395/11606		2592/13603	
Crowding in the house	1-3 per room	2710/14840	0.96 (0.89-1.04)	3055/17814	0.94 (0.86-1.02)
	4-10 per room	1154/5767		1206/7006	
Enough food in the house in the last week	Yes	3199/17621	1.33 (1.20-1.46)	3409/21041	1.51 (1.35-1.69)
	No	824/3724		952/4457	
Community level variables					
Access by good tar road	Yes	1319/7405	0.93 (0.80-1.09)	1496/9190	1.03 (0.88-1.20)
	No	2260/11190		2309/12673	
Active government HIV prevention programme	Yes	2390/13124	1.01 (0.86-1.17)	2524/15361	1.01 (0.85-1.19)
	No	1185/5551		1196/6538	
Proportion of adults saying that "women sometimes deserve to be beaten"	Below average	1979/10366	0.94 (0.83-1.07)	2139/12442	0.91 (0.80-1.04)
	Above average	1884/10104		2028/12142	
Proportion of adults saying it is "okay for an older man to have sex with teenagers"	Below average	2582/13517	0.98 (1.86-1.12)	2865/16462	0.91 (0.80-1.03)
	Above average	1281/6953		1302/8122	
Proportion of adults saying "men have the right to sex with their girlfriends if they buy them gifts"	Below average	2213/11879	1.06 (0.94-1.20)	2515/14535	0.98 (0.85-1.13)
	Above average	1650/8591		1652/10049	
Proportion of adults reporting intimate partner violence in last year	Below average	1654/8619	0.94 (0.83-1.07)	1785/10435	1.01 (0.88-1.15)
	Above average	2209/11851		2385/14149	
School level variables					
Proportion of students reporting experience of sexual violence	Below average	1540/10909	1.94 (1.73-2.17)	1819/13561	1.84 (1.61-2.11)
	Above average	2540/10704		2613/12279	
Proportion of students knowing of three child rights	Above average	1678/9588	1.11 (0.98-1.25)	2095/12263	0.99 (0.87-1.13)
	Below average	2402/12025		2337/13577	
Proportion of students agreeing that boys and girls are equal	Above average	1851/10491	1.13 (1.00-1.27)	2255/13342	1.01 (0.90-1.14)
	Below average	2229/11122		2177/12498	
Proportion of students reporting perpetration of sexual violence	Below average	1939/12293	1.60 (1.42-1.81)	2298/15320	1.48 (1.29-1.70)
	Above average	2141/9320		2134/10520	
Proportion of students reporting drinking alcohol	Below average	2182/12700	1.34 (1.19-1.52)	2370/14831	1.31 (1.15-1.49)
	Above average	1898/8913		2062/11009	

Notes

1. Defined as those who responded positively to the question: "Has anyone ever forced or persuaded you to have sex when you did not want to?"
2. Odds Ratio and 95% Confidence Interval from bivariate analysis of group with characteristic, compared with counterfactual group (for example, age 14-16 years compared with age 11-13 years), stratified by country and adjusted for clustering

Table 4. GLMM of factors associated with forced or coerced sex in male and female youth aged 11-16 years

Variables in final GLMM models	Adjusted Odds Ratio (95% Confidence Interval)	
	Males (n=22098)	Females (n=26292)
Age over 13 years		1.49 (1.38-1.61)
Insufficient food in the last week	1.22 (1.12-1.34)	1.40 (1.29- 1.53)
Attending a school where there was a higher proportion of students who said they had suffered sexual violence	1.79 (1.65-1.95)	1.76 (1.62-1.90)
Attending a school where a lower proportion of students knew about child rights		1.15 (1.08-1.25)
Attending a school where there was a higher proportion of students who said they had perpetrated sexual violence	1.22 (1.12-1.33)	1.18 (1.09-1.28)
Attending a school where alcohol use was more common among students	1.11 (1.03-1.20)	
Living in a community where a higher proportion of adults said a man could expect sex if he gave a gift to a woman	1.16 (1.08-1.26)	1.16 (1.07-1.24)
Living in a community where a higher proportion of adults reported physical domestic violence in the last year		1.09 (1.01-1.17)

Country was treated as a random effect in the models. The initial saturated models for males and females included all the variables in Table 2.

Table 5. GLMM of factors associated with being a perpetrator of forced sex, among male and female youth aged 11-16 years

Variables in final GLMM models	Adjusted Odds Ratio (95% Confidence Interval)	
	Males (n=22098)	Females (n=26292)
Experienced forced or coerced sex	4.37 (3.96-4.82)	5.34 (4.66- 6.13)
Insufficient food in the last week in household	1.30 (1.16-1.45)	
Attending a school where there was a higher proportion of students who said they had suffered sexual violence		1.51 (1.28-1.78)
Attending a school where a lower proportion of students knew about child rights	1.29 (1.16-1.43)	1.35 (1.16-1.57)
Attending a school where a higher proportion of students who said they had perpetrated forced sex	2.23 (2.01-2.49)	2.13 1.81-2.51
Attending a school where a higher proportion of students drank alcohol	1.25 (1.13-1.38)	1.17 1.01-1.36
Living in a community that is not accessible by tar road	1.33 (1.20-1.48)	1.51 1.30-1.75
Living in a community where a higher proportion of adults said it is acceptable for an older man to have sex with a teenager		1.17 1.01-1.35
Living in a community where a higher proportion of adults reported intimate partner violence in the last year		1.23 1.07-1.42

Country was treated as a random effect in the models.