

Table 1. Operational Definitions of the Variables

Variable	Operational Definitions	Responses
<i>Behaviour Variable</i>		
Premarital sex*	Percentage of young single people (aged 15-24 years) who had sex in the last 12 months of all single people surveyed	0. No 1. Yes
Multiple partners*	Percentage of young people (aged 15-24 years) who had two or more sexual partners last year, of all young people surveyed	0. One 1. Two or more
Condom use at last sex*	Percentage of young single people who used a condom at last sex, of all young single sexually active people surveyed	0. No 1. Yes
<i>Individual variables</i>		
Sex	Gender	1. Male 2. Female
Age at survey	Age at last birthday	15 – 24 years
Ever Married	Percentage of young people who have ever been married	0. Never 1. Married
Education	Highest years of schooling attained	0. None/primary 1. Secondary/Higher
Employment status**	Current employment status	0. Not employed 1. Employed
Religion	Religious affiliation	0. Catholic 1. Protestant
Place of residence	Current residence place	0. Rural 1. Urban
<i>Neighbourhood variables</i>		
Educational attainment	Average educational attainment among people in the neighbourhoods	
Labour force participation**	Average labour force participation in the neighbourhoods	
Residential stability	Average years of stay in the neighbourhood	
Comprehensive HIV knowledge	Average number of people in the neighbourhood who correctly answered the questions below: - Can a person who looks healthy be infected with HIV? - Can people reduce their chances of getting the AIDS virus by using a condom correctly every time they have sex? - Can people reduce their chances of getting the AIDS virus by having only one sex partner who has no other partners? - Can HIV be transmitted by mosquitoes? - Can HIV be transmitted by witchcraft?	

*HIV/AIDS survey indicators defined by UNAIDS; all of them were considered as dependent variables. **In the 2000 and 2003 surveys, the question asked for the employment variable was: "what kind of work do you mainly do?" and in 2005 and 2009 surveys the question used in this study was: "are you currently working?" but responses to both questions were categorised as "employed" and "non-employed".

Table 2. Descriptive statistics of young people aged 15-24 years stratified by survey year, in ZSBS 2000–2009 (percentage)

Year	2000	2003	2005	2009
Sample population (n)	1376	1835	1695	1594
Dependent variables				
Pre-marital sex (n)	50.8 (841)	53.6 (1205)	47.1 (1080)	42.4 (1159)
Multiple partners last 12 months (n)	11.3 (759)	9.8 (971)	8.9 (894)	6.3 (702)
Condom use at last premarital sex (n)	38.6 (259)	38.1 (381)	34.8 (325)	36.9 (298)
Independent variables				
<i>Individual variables</i>				
Age at last birthday				
Mean age - years (S.D.)	19.36 (2.80)	19.37 (2.74)	19.42 (2.82)	19.23 (2.88)
Gender				
Male	40.5	45.0	44.5	45.9
Female	59.5	55.0	55.5	54.1
Ever married				
Never	61.5	65.7	63.8	72.8
Married	38.5	34.3	36.2	27.2
Highest level of school attended				
None/Primary	61.8	58.6	57.4	48.7
Secondary/Higher	38.2	41.4	42.6	51.3
Employment				
Not employed	47.5	37.0	70.8	78.2
Employed	52.5	63.0	29.2	21.8
Religion				
Catholic Christians	23.9	24.2	22.3	18.8
Protestant Christians	76.1	75.8	77.7	81.2
Residence				
Rural	59.7	61.1	63.9	59.5
Urban	40.3	38.9	36.1	40.5
<i>Neighbourhood variables</i>				
Educational attainment - mean (S.D.)	4.37 (0.60)	3.91 (0.57)	4.50 (0.86)	3.94 (0.55)
(Min – Max)	(3.00 – 5.96)	(2.53 – 5.50)	(2.58 – 6.91)	(2.28 – 0.86)
Labour force participation - mean (S.D.)	0.72 (0.18)	0.80 (0.12)	0.47 (0.16)	0.44 (0.14)
(Min – Max)	(0.36 – 1.00)	(0.50 – 1.00)	(0.13 – 0.91)	(0.10 – 0.82)
Residential stability - mean (S.D.)	11.88 (3.75)	12.27 (4.0.3)	12.25 (4.26)	12.62 (3.94)
(Min – Max)	(4.40 – 20.4)	(4.08 – 24.4)	(3.71 – 22.03)	(4.98 – 22.0.5)
Comprehensive knowledge - mean (S.D.)	0.12 (0.08)	0.33 (0.17)	0.44 (0.21)	0.43 (0.18)
(Min – Max)	(0.0 – 0.35)	(0.0 – 0.70)	(0.02 – 0.86)	(0.08 – 0.85)

All neighbourhood variables were analysed as continuous variable; n, sample population; S.D., Standard deviation; Min – Max, minimum and maximum

Table 3. Premarital sex trends among young people (15-24 years) by gender and by survey year (percentage)

	Female				<i>p</i>	Male				<i>p</i>
	2000	2003	2005	2009		2000	2003	2005	2009	
Dependent variable										
Premarital sex	46.8	48.2	40.2	38.9	0.003	54.4	57.5	52.5	45.1	<0.001
Independent variables										
<i>Individual variables</i>										
Age at last birthday										
15-19	36.8	40.5	31.1	28.7	0.004	41.9	44.5	36.0	29.6	<0.001
20-24	73.0	70.2	65.3	65.9	0.201	80.4	77.5	77.9	75.8	0.344
Highest level of school attended										
None/Primary	45.9	44.9	44.3	33.0	0.006	50.4	54.8	53.6	36.4	<0.001
Secondary/Higher	47.8	51.2	36.2	43.2	0.106	59.6	60.4	51.7	51.5	0.015
Employment										
Not employed	37.2	41.9	34.5	34.6	0.228	44.2	49.4	45.2	40.6	0.071
Employed	66.2	55.6	68.0	64.8	0.863	67.9	65.8	75.9	68.9	0.466
Religion										
Catholic Christians	37.6	47.4	40.2	34.0	0.336	53.0	60.3	55.9	46.5	0.149
Protestant Christians	50.5	51.6	59.8	59.9	0.004	55.8	56.5	51.9	44.6	<0.001
Residence										
Rural	51.3	50.4	44.4	41.1	0.013	58.8	57.2	54.9	46.6	0.001
Urban	42.6	45.9	35.8	36.5	0.066	49.2	57.9	49.0	42.9	0.023
<i>Neighbourhood variables</i>										
Educational attainment										
Low	46.4	45.1	31.6	39.5	0.058	48.8	54.6	51.2	47.0	0.371
Medium	49.3	53.1	48.1	42.4	0.104	59.7	61.4	53.8	41.0	<0.001
High	41.8	46.9	42.4	28.0	0.045	59.4	56.5	52.6	50.0	0.176
Labour force participation										
Low	42.2	47.9	41.6	35.3	0.062	49.8	57.7	53.1	45.4	0.092
Medium	54.5	47.3	37.8	43.1	0.039	59.2	55.1	52.8	47.0	0.010
High	46.7	51.3	42.2	37.5	0.140	57.7	62.1	49.4	40.3	0.002
Residential stability										
Low	47.5	52.1	39.5	40.6	0.039	56.9	61.1	53.1	46.5	0.003
Medium	49.3	45.4	44.2	37.2	0.018	52.5	53.6	50.6	42.6	0.010
High	35.4	43.2	29.6	38.3	0.946	52.4	58.1	56.1	48.2	0.319
Comprehensive knowledge										
Low	54.5	51.9	47.0	43.5	0.030	55.7	61.0	61.3	46.3	0.012
Medium	43.1	45.8	33.5	36.1	0.057	53.8	54.8	48.2	41.3	0.001
High	39.2	46.6	40.8	36.9	0.422	53.0	56.5	45.5	49.7	0.383

P= *p*-values of the χ^2 linear-by-linear trend test; highlighted figures are significant at $p < 0.05$

Table 4. Multilevel logistic regression models for the premarital sex indicator among young people aged 15-24 years in Zambia, in 2000 and 2009

	Pre-marital sex 2000						Pre-marital sex 2009					
	Multivariate			Multivariate			Multivariate			Multivariate		
	Model 1	Model 2	Model 3	Model 4	Model 1	Model 2	Model 3	Model 4	Model 1	Model 2	Model 3	Model 4
Fixed effects												
<i>Individual variables</i>												
Sex												
Male		1.00		1.00		1.00		1.00		1.00		1.00
Female		0.83 (0.60-1.14)		0.82 (0.59-1.14)		0.89 (0.66-1.20)		0.89 (0.66-1.20)		0.89 (0.66-1.20)		0.89 (0.66-1.20)
Age		1.43 (1.32-1.55)**		1.43 (1.32-1.55)**		1.64 (1.52-1.76)**		1.64 (1.53-1.77)**		1.65 (1.53-1.77)**		1.65 (1.53-1.77)**
Highest level of school attended												
None/Primary		1.00		1.00		1.00		1.00		1.00		1.00
Secondary/Higher		1.20 (0.82-1.77)		1.14 (0.77-1.70)		1.29 (0.91-1.83)		1.28 (0.90-1.82)		1.28 (0.90-1.82)		1.28 (0.90-1.82)
Employment												
Not employed		1.00		1.00		1.00		1.00		1.00		1.00
Employed		1.82 (1.22-2.70)**		1.83 (1.20-2.79)**		2.06 (1.32-3.21)**		2.19 (1.40-3.43)**		2.19 (1.40-3.43)**		2.19 (1.40-3.43)**
Religion												
Catholic Christians		1.00		1.00		1.00		1.00		1.00		1.00
Protestant Christians		1.41 (0.96-2.06)*		1.40 (0.95-2.04)*		0.85 (0.57-1.27)		0.86 (0.57-1.28)		0.86 (0.57-1.28)		0.86 (0.57-1.28)
Residence												
Rural		1.00		1.00		1.00		1.00		1.00		1.00
Urban		0.58 (0.38-0.89)**		0.58 (0.34-1.01)*		0.42 (0.26-0.70)**		0.34 (0.18-0.65)**		0.34 (0.18-0.65)**		0.34 (0.18-0.65)**
<i>Neighbourhood variables^a</i>												
Educational attainment			0.98 (0.82-1.18)	1.02 (0.82-1.27)				0.96 (0.79-1.16)		0.96 (0.79-1.16)		0.86 (0.67-1.10)
Labour force participation			1.21 (0.99-1.47)**	0.99 (0.72-1.36)				0.93 (0.76-1.14)		0.72 (0.55-0.93)**		0.72 (0.55-0.93)**
Residential stability			0.82 (0.69-0.98)**	0.79 (0.65-0.97)**				1.06 (0.87-1.28)		0.83 (0.62-1.11)		0.83 (0.62-1.11)
Comprehensive knowledge			0.81 (0.70-0.95)**	0.82 (0.69-0.98)**				0.90 (0.73-1.10)		0.77 (0.59-1.00)**		0.77 (0.59-1.00)**
Fixed -effect model test												
Wald χ^2		128.86*		17.24*		133.79*		211.08*		211.08*		216.64*
Degree of freedom		6		4		6		4		6		10
Unexplained neighbourhood-level variance (SE)		0.184 (0.10)**		0.146 (0.12)**		0.097 (0.07)**		0.099 (0.10)**		0.400 (0.13)**		0.391 (0.13)**
Model statistics												
Explained variance (R ²)		0.270		0.089		0.288		0.330		0.330		0.344
Unexplained neighbourhood-level variance as a proportion of total variance		0.05		0.019		0.019		0.11		0.106		0.109
Unexplained individual-level variance as a proportion of total variance		0.699		0.892		0.694		0.541		0.890		0.547
Log likelihood		-548.74		-571.44		-456.24		-760.22		-597.59		-774.48
Log likelihood test ^b		<0.001		0.003		<0.001		<0.001		<0.001		<0.001

Highlighted figures statistically significant at the following points: *P<0.10; **P<0.05; ***P<0.01; ^aNeighbourhood variables interpreted as OR per unit increase; ^bTests whether adding individual and neighbourhood variables to model-1 significantly improves the fit of the model (P<0.05); Abbreviations: R², explained variance; ICC, inter-class correlation; CI, confidence interval; AOR, adjusted odds ratio; SE, standard error

Table 5. Multiple partner trends among young people (15-24 years) by gender and by survey year (percentage)

	Female					Male				
	2000	2003	2005	2009	<i>p</i>	2000	2003	2005	2009	<i>p</i>
Dependent variable										
Multiple partners	3.5	4.2	5.1	2.0	<i>0.274</i>	25.8	19.3	15.1	14.1	<0.001
Independent variables										
Individual variables										
Age at last birthday										
15-19	4.6	3.8	7.1	2.9	<i>0.773</i>	26.4	19.8	18.3	13.6	0.038
20-24	2.8	4.5	3.9	1.6	<i>0.265</i>	25.0	19.1	13.9	15.1	0.012
Ever married										
Never	4.9	8.5	15.1	2.6	<i>0.570</i>	28.4	19.4	15.6	14.5	0.002
Married	3.1	3.0	2.5	1.8	<i>0.261</i>	21.2	19.2	14.5	14.7	<i>0.179</i>
Highest level of school attended										
None/Primary	3.0	4.1	4.1	1.5	<i>0.341</i>	20.8	17.8	16.1	11.9	0.053
Secondary/Higher	4.8	4.6	7.5	2.7	<i>0.415</i>	33.3	21.7	13.5	16.8	0.003
Employment										
Not employed	2.4	6.1	5.4	2.3	<i>0.568</i>	22.7	19.2	19.7	14.1	<i>0.097</i>
Employed	4.1	3.9	4.3	1.4	<i>0.229</i>	26.7	19.4	10.4	15.5	0.002
Religion										
Catholic Christians	4.2	4.2	1.9	2.9	<i>0.482</i>	23.2	10.5	7.8	13.3	<i>0.126</i>
Protestant Christians	3.3	4.3	5.8	1.9	<i>0.349</i>	26.2	22.1	17.3	14.9	0.003
Residence										
Rural	3.2	2.6	5.2	1.3	<i>0.390</i>	25.1	18.0	17.1	14.1	0.010
Urban	3.9	7.8	4.4	3.3	<i>0.495</i>	26.6	22.3	9.8	15.7	0.044
Neighbourhood variables										
Educational attainment										
Low	3.1	4.3	4.3	1.9	<i>0.486</i>	18.0	18.3	14.1	14.6	<i>0.415</i>
Medium	3.2	4.3	5.8	1.6	<i>0.477</i>	31.6	16.8	17.3	17.0	0.012
High	4.3	4.0	4.8	2.9	<i>0.644</i>	26.2	26.8	11.9	8.3	0.003
Labour force participation										
Low	3.0	8.0	5.5	3.7	<i>0.814</i>	20.5	24.6	13.7	10.5	0.011
Medium	2.9	2.3	4.7	1.1	<i>0.479</i>	29.5	20.0	16.7	14.3	0.004
High	5.1	2.1	5.2	0.0	<i>0.106</i>	25.9	9.5	15.0	21.7	<i>0.849</i>
Residential stability										
Low	3.1	6.8	4.3	2.4	<i>0.457</i>	27.6	24.3	15.8	21.0	<i>0.133</i>
Medium	3.3	3.7	6.3	1.6	<i>0.508</i>	21.8	14.4	13.2	8.1	0.005
High	4.3	0.0	4.0	2.2	<i>0.602</i>	30.0	17.6	18.3	15.8	<i>0.083</i>
Comprehensive knowledge										
Low	2.7	4.5	7.8	2.6	<i>0.726</i>	32.3	23.5	23.1	17.0	0.009
Medium	4.3	4.2	2.9	2.1	<i>0.197</i>	22.5	16.5	12.0	10.1	0.009
High	3.8	3.7	3.0	0.0	<i>0.121</i>	13.5	13.4	3.3	16.0	<i>0.866</i>

P= p-values of the χ^2 linear-by-linear trend test; highlighted figures are significant at $p < 0.05$

Table 6. Multilevel logistic regression models for multiple partnerships among young people aged 15–24 years in Zambia, in 2000 and 2009

Dependent variables	Multiple partnerships 2000				Multiple partnerships 2009			
	Multivariate		Multivariate		Multivariate		Multivariate	
	Model 1	Model 2	Model 3	Model 4	Model 1	Model 2	Model 3	Model 4
Fixed effects	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)	AOR (95% CI)
<i>Individual variables</i>								
Sex								
Male	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Female	0.12 (0.06-0.23)**	0.12 (0.06-0.23)**	0.12 (0.06-0.23)**	0.12 (0.06-0.23)**	0.12 (0.05-0.28)**	0.12 (0.05-0.28)**	0.12 (0.05-0.28)**	0.12 (0.05-0.28)**
Age	0.98 (0.86-1.11)	0.98 (0.86-1.12)	0.98 (0.86-1.12)	0.98 (0.86-1.12)	0.97 (0.84-1.12)	0.97 (0.84-1.12)	0.98 (0.85-1.14)	0.98 (0.85-1.14)
Ever married	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Never	0.56 (0.29-1.10)*	0.57 (0.29-1.12)	0.57 (0.29-1.12)	0.57 (0.29-1.12)	1.12 (0.47-2.65)	1.12 (0.47-2.65)	1.08 (0.45-2.59)	1.08 (0.45-2.59)
Married	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Highest level of school attended								
None/Primary	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Secondary/Higher	2.01 (1.09-3.71)**	2.01 (1.09-3.71)**	2.01 (1.08-3.73)**	2.01 (1.08-3.73)**	1.50 (0.75-3.03)	1.50 (0.75-3.03)	1.50 (0.74-3.05)	1.50 (0.74-3.05)
Employment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Not employed	2.17 (1.05-4.46)**	2.17 (1.05-4.46)**	2.17 (1.05-4.46)**	2.17 (1.05-4.46)**	1.01 (0.49-2.06)	1.01 (0.49-2.06)	0.97 (0.46-2.06)	0.97 (0.46-2.06)
Employed	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Religion								
Catholic Christians	1.02 (0.51-2.02)	1.02 (0.51-2.02)	1.02 (0.51-2.02)	1.02 (0.51-2.02)	0.98 (0.43-2.24)	0.98 (0.43-2.24)	0.96 (0.41-2.22)	0.96 (0.41-2.22)
Protestant Christians	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Residence								
Rural	1.12 (0.54-2.36)	1.12 (0.54-2.36)	1.12 (0.54-2.36)	1.12 (0.54-2.36)	1.24 (0.61-2.52)	1.24 (0.61-2.52)	1.49 (0.60-3.68)	1.49 (0.60-3.68)
Urban	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<i>Neighbourhood variables^b</i>								
Educational attainment	1.09 (0.81-1.45)	1.09 (0.81-1.45)	1.09 (0.81-1.45)	1.09 (0.81-1.45)	0.83 (0.60-1.16)	0.83 (0.60-1.16)	0.94 (0.64-1.36)	0.94 (0.64-1.36)
Labour force participation	0.99 (0.71-1.39)	0.99 (0.71-1.39)	0.99 (0.71-1.39)	0.99 (0.71-1.39)	0.94 (0.66-1.33)	0.94 (0.66-1.33)	0.97 (0.65-1.44)	0.97 (0.65-1.44)
Residential stability	0.95 (0.72-1.25)	0.95 (0.72-1.25)	0.95 (0.72-1.25)	0.95 (0.72-1.25)	0.95 (0.69-1.31)	0.95 (0.69-1.31)	0.96 (0.65-1.44)	0.96 (0.65-1.44)
Comprehensive knowledge	0.77 (0.57-1.04)*	0.77 (0.57-1.04)*	0.77 (0.57-1.04)*	0.77 (0.57-1.04)*	0.83 (0.59-1.17)	0.83 (0.59-1.17)	0.69 (0.46-1.02)*	0.69 (0.46-1.02)*
<i>Fixed-effect model test</i>								
Wald χ^2	63.44**	63.44**	63.47	64.97*	32.43*	32.43*	35.65*	35.65*
Degrees of freedom	7	7	4	11	7	7	4	11
Unexplained neighbourhood-level variance (SE)	0.376 (0.25)**	0.522 (0.36)**	0.250 (0.24)	0.457 (0.35)*	3.63e-18	1.22e-11	5.08e-12	5.08e-15
<i>Model statistics</i>								
Explained variance (R ²)	0.286	0.286	0.023	0.294				
Unexplained neighbourhood-level variance as a proportion of total variance	0.098	0.098	0.069	0.086				
Unexplained individual-level variance as a proportion of total variance	0.616	0.616	0.908	0.620				
Log likelihood	-266.01	-201.06	-264.16	-199.70	-163.48	-142.60	-162.75	-140.65
Log likelihood test ^a	<0.001	<0.001	0.482	<0.001	<0.001	<0.001	0.490	<0.001

Highlighted figures statistically significant at the following points: *P<0.10; **P<0.05; ***P<0.01; ^aNeighbourhood variables interpreted as OR per unit increase; ^bTest whether adding individual and neighbourhood variables to model-1 significantly improves the fit of the model (P<0.05); Abbreviations: R², explained variance; ICC, inter-class correlation; CI, confidence interval; AOR, adjusted odds ratio; SE, standard error

Table 7. Condom use trends among young people (15-24 years) by gender and by survey year (percentage)

	Female					Male				
	2000	2003	2005	2009	<i>p</i>	2000	2003	2005	2009	<i>p</i>
Dependent variable										
Condom use at last pre-marital sex	40.4	35.4	29.9	33.3	<i>0.247</i>	37.5	39.7	37.5	38.9	<i>0.908</i>
Independent variables										
Individual variables										
Age at last birthday										
15-19	41.4	35.8	24.3	34.3	<i>0.274</i>	35.4	35.0	35.6	31.8	<i>0.625</i>
20-24	38.2	34.7	38.3	32.0	<i>0.597</i>	39.7	43.1	38.8	45.8	<i>0.511</i>
Highest level of school attended										
None/Primary	33.9	18.0	16.4	27.5	<i>0.378</i>	27.7	26.2	27.5	30.6	<i>0.643</i>
Secondary/Higher	48.8	48.1	43.9	36.8	<i>0.125</i>	49.2	56.1	50.0	43.7	<i>0.223</i>
Employment										
Not employed	47.2	32.3	28.4	33.7	<i>0.193</i>	44.9	42.2	39.6	36.6	<i>0.217</i>
Employed	32.7	37.7	35.5	33.3	<i>0.994</i>	29.9	38.1	34.3	43.9	<i>0.184</i>
Religion										
Catholic Christians	57.1	33.3	35.0	54.5	<i>0.898</i>	44.7	42.6	44.2	31.3	<i>0.285</i>
Protestant Christians	35.8	35.7	29.3	28.7	<i>0.228</i>	34.3	38.6	35.6	39.9	<i>0.462</i>
Residence										
Rural	32.3	29.3	16.7	22.1	<i>0.108</i>	31.3	30.2	30.9	31.4	<i>0.947</i>
Urban	52.5	43.3	50.0	50.0	<i>0.963</i>	48.9	55.7	52.3	52.6	<i>0.873</i>
Neighbourhood variables										
Educational attainment										
Low	46.7	40.6	52.9	46.6	<i>0.775</i>	47.4	43.2	44.3	41.3	<i>0.538</i>
Medium	37.2	33.9	16.9	23.4	<i>0.068</i>	29.0	35.6	36.5	31.9	<i>0.776</i>
High	31.3	21.1	29.2	8.3	<i>0.245</i>	37.9	41.7	24.2	48.6	<i>0.483</i>
Labour force participation										
Low	51.2	32.8	30.0	25.0	0.013	54.5	51.5	40.6	39.0	0.036
Medium	36.2	41.8	34.1	40.8	<i>0.772</i>	30.4	34.5	36.1	44.6	<i>0.073</i>
High	21.4	28.0	18.8	35.0	<i>0.427</i>	22.6	25.0	29.2	26.7	<i>0.682</i>
Residential stability										
Low	52.1	35.5	46.4	45.3	<i>0.857</i>	41.8	42.3	43.2	39.4	<i>0.784</i>
Medium	31.8	40.4	14.8	17.1	0.026	37.9	40.0	34.1	37.3	<i>0.811</i>
High	25.0	18.8	14.3	34.8	<i>0.357</i>	26.7	32.6	31.0	42.5	<i>0.166</i>
Comprehensive knowledge										
Low	43.6	28.8	19.6	22.9	0.015	29.2	31.5	33.3	35.1	<i>0.419</i>
Medium	34.3	33.3	36.4	25.0	<i>0.359</i>	46.8	38.5	44.0	40.3	<i>0.624</i>
High	42.9	58.3	42.9	68.0	<i>0.176</i>	38.1	65.8	35.0	45.0	<i>0.652</i>

P= p-values of the chi² linear-by-linear trend test; highlighted figures are significant at *p*<0.05

Table 8. Multilevel logistic regression models for condom use at last pre-marital sex among young people aged 15-24 years in Zambia, in 2000 and 2009

Dependent variables	Condom use at last premarital sex 2000				Condom use at last premarital sex 2009			
	Multivariate		Multivariate		Multivariate		Multivariate	
	Model 1	Model 2	Model 3	Model 4	Model 1	Model 2	Model 3	Model 4
Fixed effects		AOR	AOR	AOR	AOR	AOR	AOR	AOR
<i>Individual variables</i>	(95% CI)	(95% CI)	(95% CI)	(95% CI)	(95% CI)	(95% CI)	(95% CI)	(95% CI)
Sex								
Male		1.00				1.00		1.00
Female		1.17 (0.64-2.12)		1.22 (0.68-2.19)		0.71 (0.42-1.21)		0.73 (0.43-1.24)
Age		1.02 (0.89-1.17)		0.99 (0.86-1.13)		0.99 (0.89-1.10)		0.98 (0.88-1.09)
Highest level of school attended								
None/Primary		1.00		1.00		1.00		1.00
Secondary/Higher		1.61 (0.84-3.09)		1.61 (0.84-3.09)		1.29 (0.73-2.28)		1.32 (0.74-2.34)
Employment								
Not employed		1.00		1.00		1.00		1.00
Employed		0.67 (0.34-1.32)		0.92 (0.44-1.90)		1.26 (0.69-2.29)		1.22 (0.67-2.21)
Religion								
Catholic Christians		1.00		1.00		1.00		1.00
Protestant Christians		0.53 (0.27-1.05)*		0.53 (0.28-1.03)*		0.81 (0.43-1.55)		0.89 (0.46-1.70)
Residence								
Rural		1.00		1.00		1.00		1.00
Urban		2.03 (0.98-4.21)*		1.05 (0.47-2.34)		2.70 (1.51-4.83)**		3.43 (1.63-7.20)**
<i>Neighbourhood variables^b</i>								
Educational attainment								
Labour force participation		1.53 (1.06-2.19)**		1.58 (1.08-2.30)**		0.87 (0.65-1.17)		0.99 (0.74-1.35)
Residential stability		0.42 (0.27-0.63)**		0.45 (0.26-0.76)**		1.10 (0.78-1.53)		1.24 (0.87-1.75)
Comprehensive knowledge		0.88 (0.63-1.24)		0.87 (0.62-1.22)		1.08 (0.81-1.43)		1.48 (1.07-2.05)**
		1.01 (0.73-1.38)		0.98 (0.72-1.35)		1.55 (1.15-2.08)**		1.39 (1.04-1.87)**
Fixed -effect model test								
Wald χ^2		15.43**		20.49**		16.05**		25.17**
Degree of freedom		6		4		6		4
Unexplained neighbourhood-level variance (SE)		0.701 (0.41)**		0.194 (0.25)		0.471 (0.38)**		0.118 (0.29)
Model statistics								
Explained variance (R ²)		0.102		0.148		0.073		0.059
Unexplained neighbourhood-level variance as a proportion of total variance		0.18		0.047		0.12		0.033
Unexplained individual level variance as a proportion of total variance		0.808		0.804		0.903		0.909
Log likelihood		-168.81		-158.53		-181.36		-189.14
Log likelihood test ^b		0.014		0.001		0.013		0.025
								0.004

Highlighted figures statistically significant at the following points: *P<0.10; **P<0.05; ***P<0.01; ^bNeighbourhood variables interpreted as OR per unit increase; ^cTests whether adding individual and neighbourhood variables to model-1 significantly improves the fit of the model (P<0.05); Abbreviations: R² = explained variance; CI, confidence interval; AOR, adjusted odds ratio; SE, standard error

Appendix 2 – Questionnaires

2007 ZAMBIA DEMOGRAPHIC AND HEALTH SURVEY
WOMAN'S QUESTIONNAIRE
WITH HIV/AIDS

MINISTRY OF HEALTH/CENTRAL STATISTICAL OFFICE

IDENTIFICATION																									
LOCALITY NAME _____	<table border="1" style="margin: auto;"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>																								
NAME OF HOUSEHOLD HEAD _____																									
CLUSTER NUMBER																									
HOUSEHOLD NUMBER																									
PROVINCE																									
URBAN/RURAL (URBAN=1, RURAL=2)																									
LUSAKA=1, OTHER CITY=2, TOWN=3, VILLAGE=4																									
NAME AND LINE NUMBER OF WOMAN _____																									
IS WOMAN SELECTED FOR QUESTIONS ON DOMESTIC VIOLENCE (SECTION 12)? (YES=1, NO=2) <input type="checkbox"/>																									
INTERVIEWER VISITS																									
	1	2	3	FINAL VISIT																					
DATE _____	_____	_____	_____	DAY <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>																					
INTERVIEWER'S NAME _____	_____	_____	_____	MONTH <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>																					
RESULT* _____	_____	_____	_____	YEAR <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>																					
NEXT VISIT: DATE _____	_____	_____		INT. NUMBER <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>																					
TIME _____	_____	_____		RESULT <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>																					
*RESULT CODES:				TOTAL NUMBER OF VISITS <input type="checkbox"/>																					
1 COMPLETED	4 REFUSED	7 OTHER _____ (SPECIFY)																							
2 NOT AT HOME	5 PARTLY COMPLETED																								
3 POSTPONED	6 INCAPACITATED																								
LANGUAGE OF QUESTIONNAIRE** ENGLISH				<table border="1" style="margin: auto;"> <tr><td>0</td><td>1</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	0	1																			
0	1																								
LANGUAGE OF INTERVIEW**																									
RESPONDENT'S LOCAL LANGUAGE**																									
TRANSLATOR USED (1=NOT AT ALL; 2=SOMETIME; 3=ALL THE TIME)																									
LANGUAGE CODES: 01 ENGLISH 03 KAONDE 05 LUNDA 07 NYANJA 09 OTHER 02 BEMBA 04 LOZI 06 LUVALE 08 TONGA																									
SUPERVISOR	FIELD EDITOR	OFFICE EDITOR	KEYED BY																						
NAME _____ <input type="checkbox"/>	NAME _____ <input type="checkbox"/>	NAME _____ <input type="checkbox"/>	NAME _____ <input type="checkbox"/>																						
DATE _____ <input type="checkbox"/>	DATE _____ <input type="checkbox"/>	DATE _____ <input type="checkbox"/>	DATE _____ <input type="checkbox"/>																						

W-1

SECTION 1. RESPONDENT'S BACKGROUND

INTRODUCTION AND CONSENT

INFORMED CONSENT

Hello. My name is _____ and I am working with MOH in conjunction with Central Statistical Office (CSO). We are conducting a national survey that asks women (and men) about various health issues. We would very much appreciate your participation in this survey. This information will help the government to plan health services. The interview usually takes between 30 and 60 minutes to complete. Whatever information you provide will be kept strictly confidential and will not be shown to other persons.

Participation in this survey is voluntary, and if we should come to any question you don't want to answer, just let me know and I will go on to the next question; or you can stop the interview at any time. However, we hope that you will participate in this survey since your views are important.

At this time, do you want to ask me anything about the survey?
May I begin the interview now?

Signature of interviewer: _____ Date: _____

RESPONDENT AGREES TO BE INTERVIEWED 1 RESPONDENT DOES NOT AGREE TO BE INTERVIEWED ... 2 → END

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
101	RECORD THE TIME.	HOUR <input type="text"/> <input type="text"/> MINUTES <input type="text"/> <input type="text"/>	
102	How long have you been living continuously in (NAME OF CURRENT PLACE OF RESIDENCE)? IF LESS THAN ONE YEAR, RECORD '00' YEARS.	YEARS <input type="text"/> <input type="text"/> ALWAYS 95 VISITOR 96	→ 104
103	Just before you moved here, did you live in Lusaka, another city, in a town, or in a village?	LUSAKA 1 OTHER CITY 2 TOWN 3 VILLAGE 4	
104	In the last 12 months, on how many separate occasions have you traveled away from your home community and slept away?	NUMBER OF TRIPS <input type="text"/> <input type="text"/> NONE 00	→ 106
105	In the last 12 months, have you been away from your home community for more than one month at a time?	YES 1 NO 2	
106	In what month and year were you born?	MONTH <input type="text"/> <input type="text"/> DONT KNOW MONTH 98 YEAR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> DONT KNOW YEAR 9998	
107	How old were you at your last birthday? COMPARE AND CORRECT 106 AND/OR 107 IF INCONSISTENT.	AGE IN COMPLETED YEARS <input type="text"/> <input type="text"/>	
108	Have you ever attended school?	YES 1 NO 2	→ 112
109	What is the highest level of school you attended: primary, secondary, or higher?	PRIMARY 1 SECONDARY 2 HIGHER 3	
110	What is the highest grade you completed at that level?	GRADE/Form/YEAR <input type="text"/> <input type="text"/>	

SECTION 9. HIV/AIDS

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
901	Now I would like to talk about something else. Have you ever heard of an illness called AIDS?	YES 1 NO 2	→ 942
902	Can people reduce their chances of getting the AIDS virus by having just one uninfected sex partner who has no other sex partners?	YES 1 NO 2 DONT KNOW 8	
903	Can people get the AIDS virus from mosquito bites?	YES 1 NO 2 DONT KNOW 8	
904	Can people reduce their chance of getting the AIDS virus by using a condom every time they have sex?	YES 1 NO 2 DONT KNOW 8	
905	Can people get the AIDS virus by sharing food with a person who has AIDS?	YES 1 NO 2 DONT KNOW 8	
906	Can people reduce their chance of getting the AIDS virus by not having sexual intercourse at all?	YES 1 NO 2 DONT KNOW 8	
907	Can people get the AIDS virus because of witchcraft or other supernatural means?	YES 1 NO 2 DONT KNOW 8	
908	Is it possible for a healthy-looking person to have the AIDS virus?	YES 1 NO 2 DONT KNOW 8	
908A	Do you think your risk of getting infected with HIV is low, medium or high, or do you have no risk at all?	LOW 1 MEDIUM 2 HIGH 3 NO RISK 4 OTHER 6 DONT KNOW 8	
909	Can the virus that causes AIDS be transmitted from a mother to her baby: During pregnancy? During delivery? By breastfeeding?	YES NO DK DURING PREG. 1 2 8 DURING DELIVERY ... 1 2 8 BREASTFEEDING ... 1 2 8	
910	CHECK 909: AT LEAST ONE 'YES' <input type="checkbox"/> OTHER <input type="checkbox"/>		→ 912
911	Are there any special drugs that a doctor or a nurse can give to a woman infected with the AIDS virus to reduce the risk of transmission to the baby?	YES 1 NO 2 DONT KNOW 8	
912	Have you heard about special antiretroviral drugs (USE LOCAL NAME) that people infected with the AIDS virus can get from a doctor or a nurse to help them live longer?	YES 1 NO 2 DONT KNOW 8	
913	CHECK 208 AND 215: NO BIRTHS <input type="checkbox"/> LAST BIRTH SINCE JANUARY 2004 <input type="checkbox"/> LAST BIRTH BEFORE JANUARY 2004 <input type="checkbox"/>		→ 922 → 922
914	CHECK 407 FOR LAST BIRTH: HAD ANTENATAL CARE <input type="checkbox"/> NO ANTENATAL CARE <input type="checkbox"/>		→ 922
914A	CHECK FOR PRESENCE OF OTHERS. BEFORE CONTINUING, MAKE EVERY EFFORT TO ENSURE PRIVACY.		
915	During any of the antenatal visits for your last birth, did anyone talk to you about: Babies getting the AIDS virus from their mother? Things that you can do to prevent getting the AIDS virus? Getting tested for the AIDS virus?	YES NO DK AIDS FROM MOTHER 1 2 8 THINGS TO DO . 1 2 8 TESTED FOR AIDS . 1 2 8	
916	Were you offered a test for the AIDS virus as part of your antenatal care?	YES 1 NO 2	

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
917	I don't want to know the results, but were you tested for the AIDS virus as part of your antenatal care?	YES 1 NO 2	→ 922
918	I don't want to know the results, but did you get the results of the test?	YES 1 NO 2	
919	Where was the test done? PROBE TO IDENTIFY THE TYPE OF SOURCE AND CIRCLE THE APPROPRIATE CODE. IF UNABLE TO DETERMINE IF HOSPITAL, HEALTH CENTER, VCT CENTER, OR CLINIC IS PUBLIC OR PRIVATE MEDICAL, WRITE THE NAME OF THE PLACE. _____ (NAME OF PLACE)	PUBLIC SECTOR GOVERNMENT HOSPITAL 10 GOVT. HEALTH CENTER 11 STAND-ALONE VCT CENTER ... 12 FAMILY PLANNING CLINIC 13 MOBILE CLINIC 14 FIELDWORKER 15 OTHER PUBLIC 16 (SPECIFY) PRIVATE MEDICAL SECTOR PRIVATE HOSPITAL/CLINIC/ PRIVATE DOCTOR 20 MISSION HOSPITAL/CLINIC 21 STAND-ALONE VCT CENTER ... 22 MOBILE CLINIC 23 COMMUNITY/FIELDWORKER 24 OTHER PRIVATE MEDICAL 26 (SPECIFY) OTHER 96 (SPECIFY)	
920	Have you been tested for the AIDS virus since that time you were tested during your pregnancy?	YES 1 NO 2	→ 923
921	When was the last time you were tested for the AIDS virus?	LESS THAN 12 MONTHS AGO 1 12 - 23 MONTHS AGO 2 2 OR MORE YEARS AGO 3	→ 929
922	I don't want to know the results, but have you ever been tested to see if you have the AIDS virus?	YES 1 NO 2	→ 927
923	When was the last time you were tested?	LESS THAN 12 MONTHS AGO 1 12 - 23 MONTHS AGO 2 2 OR MORE YEARS AGO 3	
924	The last time you had the test, did you yourself ask for the test, was it offered to you and you accepted, or was it required?	ASKED FOR THE TEST 1 OFFERED AND ACCEPTED 2 REQUIRED 3	
925	I don't want to know the results, but did you get the results of the test?	YES 1 NO 2	

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
926	<p>Where was the test done?</p> <p>PROBE TO IDENTIFY THE TYPE OF SOURCE AND CIRCLE THE APPROPRIATE CODE.</p> <p>IF UNABLE TO DETERMINE IF HOSPITAL, HEALTH CENTER, VCT CENTER, OR CLINIC IS PUBLIC OR PRIVATE MEDICAL, WRITE THE NAME OF THE PLACE.</p> <p>_____</p> <p>(NAME OF PLACE)</p>	<p>PUBLIC SECTOR</p> <p>GOVERNMENT HOSPITAL 10</p> <p>GOVT. HEALTH CENTER 11</p> <p>STAND-ALONE VCT CENTER 12</p> <p>FAMILY PLANNING CLINIC 13</p> <p>MOBILE CLINIC 14</p> <p>FIELDWORKER 15</p> <p>OTHER PUBLIC 16</p> <p>(SPECIFY)</p> <p>PRIVATE MEDICAL SECTOR</p> <p>PRIVATE HOSPITAL/CLINIC/</p> <p>PRIVATE DOCTOR 20</p> <p>MISSION HOSPITAL/CLINIC 21</p> <p>STAND-ALONE VCT CENTER 22</p> <p>MOBILE CLINIC 23</p> <p>COMMUNITY/FIELDWORKER 24</p> <p>OTHER PRIVATE</p> <p>MEDICAL 26</p> <p>(SPECIFY)</p> <p>OTHER 96</p> <p>(SPECIFY)</p>	<p>→ 929</p>
927	<p>Do you know of a place where people can go to get tested for the AIDS virus?</p>	<p>YES 1</p> <p>NO 2</p>	<p>→ 929</p>
928	<p>Where is that?</p> <p>Any other place?</p> <p>PROBE TO IDENTIFY EACH TYPE OF SOURCE AND CIRCLE THE APPROPRIATE CODE(S).</p> <p>IF UNABLE TO DETERMINE IF HOSPITAL, HEALTH CENTER VCT CENTER, OR CLINIC IS PUBLIC OR PRIVATE MEDICAL, WRITE THE NAME OF THE PLACE.</p> <p>_____</p> <p>(NAME OF PLACE(S))</p>	<p>PUBLIC SECTOR</p> <p>GOVERNMENT HOSPITAL A</p> <p>GOVT. HEALTH CENTER B</p> <p>STAND-ALONE VCT CENTER C</p> <p>FAMILY PLANNING CLINIC D</p> <p>MOBILE CLINIC E</p> <p>COMMUNITY/FIELDWORKER F</p> <p>OTHER PUBLIC G</p> <p>(SPECIFY)</p> <p>PRIVATE MEDICAL SECTOR</p> <p>PRIVATE HOSPITAL/CLINIC/</p> <p>PRIVATE DOCTOR H</p> <p>MISSION HOSPITAL/CLINIC I</p> <p>STAND-ALONE VCT CENTER J</p> <p>MOBILE CLINIC K</p> <p>COMMUNITY/FIELDWORKER L</p> <p>OTHER PRIVATE</p> <p>MEDICAL M</p> <p>(SPECIFY)</p> <p>OTHER X</p> <p>(SPECIFY)</p>	
929	<p>Would you buy fresh vegetables from a shopkeeper or vendor if you knew that this person had the AIDS virus?</p>	<p>YES 1</p> <p>NO 2</p> <p>DON'T KNOW 8</p>	
930	<p>If a member of your family got infected with the AIDS virus, would you want it to remain a secret or not?</p>	<p>YES, REMAIN A SECRET 1</p> <p>NO 2</p> <p>DON'T KNOW 8</p>	
931	<p>If a member of your family became sick with AIDS, would you be willing to care for her or him in your own household?</p>	<p>YES 1</p> <p>NO 2</p> <p>DON'T KNOW 8</p>	
932	<p>In your opinion, if a female teacher has the AIDS virus but is not sick, should she be allowed to continue teaching in the school?</p>	<p>SHOULD BE ALLOWED 1</p> <p>SHOULD NOT BE ALLOWED 2</p> <p>DON'T KNOW 8</p>	
933	<p>Do you personally know someone who has been denied health services in the last 12 months because he or she has or is suspected to have the AIDS virus?</p>	<p>YES 1</p> <p>NO 2</p> <p>DON'T KNOW 8</p>	<p>→ 938</p>

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
934	Do you personally know someone who has been denied involvement in social events, religious services, or community events in the last 12 months because he or she has or is suspected to have the AIDS virus?	YES 1 NO 2	
935	Do you personally know someone who has been verbally abused or teased in the last 12 months because he or she has or is suspected to have the AIDS virus?	YES 1 NO 2	
936	CHECK 933, 934, AND 935: NOT A SINGLE 'YES' <input type="checkbox"/>	AT LEAST ONE 'YES' <input type="checkbox"/>	→ 936
937	Do you personally know someone who has or is suspected to have the AIDS virus?	YES 1 NO 2	
938	Do you agree or disagree with the following statement: People with the AIDS virus should be ashamed of themselves.	AGREE 1 DISAGREE 2 DON'T KNOW 8	
939	Do you agree or disagree with the following statement: People with the AIDS virus should be blamed for bringing the disease into the community.	AGREE 1 DISAGREE 2 DON'T KNOW 8	
940	Should children aged 12-14 be taught about using a condom to avoid getting AIDS?	YES 1 NO 2 DON'T KNOW 8	
941	Should children aged 12-14 be taught to wait until they get married to have sexual intercourse in order to avoid getting AIDS?	YES 1 NO 2 DON'T KNOW 8	
941A	Some individuals would choose not to go for HIV testing. Why in your opinion is this so? (CIRCLE ALL THAT ARE MENTIONED) (MORE THAN ONE ANSWER IS POSSIBLE)	FEEL THEY ARE NOT AT RISK ... A FEAR OF RESULTS B FEAR OF STIGMA/DISCRIMINATION ... C DON'T KNOW WHERE TO GO ... D OTHER _____ X (SPECIFY)	
942	CHECK 901: HEARD ABOUT AIDS <input type="checkbox"/> ↓ Apart from AIDS, have you heard about other infections that can be transmitted through sexual contact? NOT HEARD ABOUT AIDS <input type="checkbox"/> ↓ Have you heard about infections that can be transmitted through sexual contact?	YES 1 NO 2	
943	CHECK 618: HAS HAD SEXUAL INTERCOURSE <input type="checkbox"/> ↓ HAS NOT HAD SEXUAL INTERCOURSE <input type="checkbox"/>		→ 951
944	CHECK 942: HEARD ABOUT OTHER SEXUALLY TRANSMITTED INFECTIONS? YES <input type="checkbox"/> ↓ NO <input type="checkbox"/>		→ 946
945	Now I would like to ask you some questions about your health in the last 12 months. During the last 12 months, have you had a disease which you got through sexual contact?	YES 1 NO 2 DON'T KNOW 8	
946	Sometimes women experience a bad smelling abnormal genital discharge. During the last 12 months, have you had a bad smelling abnormal genital discharge?	YES 1 NO 2 DON'T KNOW 8	

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
947	Sometimes women have a genital sore or ulcer. During the last 12 months, have you had a genital sore or ulcer?	YES 1 NO 2 DONT KNOW 8	
948	CHECK 945, 946, AND 947: HAS HAD AN INFECTION (ANY 'YES') <input type="checkbox"/> HAS NOT HAD AN INFECTION OR DOES NOT KNOW <input type="checkbox"/>		→ 951
949	The last time you had (PROBLEM FROM 945/946/947), did you seek any kind of advice or treatment?	YES 1 NO 2	→ 951
950	Where did you go? Any other place? PROBE TO IDENTIFY EACH TYPE OF SOURCE AND CIRCLE THE APPROPRIATE CODE(S). IF UNABLE TO DETERMINE IF HOSPITAL, HEALTH CENTER VCT CENTER, OR CLINIC IS PUBLIC OR PRIVATE MEDICAL, WRITE THE NAME OF THE PLACE. _____ (NAME OF PLACE(S)) _____ (NAME OF PLACE(S)) _____ (NAME OF PLACE(S))	PUBLIC SECTOR GOVERNMENT HOSPITAL A GOVT. HEALTH CENTER B STAND-ALONE VCT CENTER C FAMILY PLANNING CLINIC D MOBILE CLINIC E FIELDWORKER F OTHER PUBLIC G (SPECIFY) PRIVATE MEDICAL SECTOR PRIVATE HOSPITAL/CLINIC/ PRIVATE DOCTOR H MISSION HOSPITAL/CLINIC I STAND-ALONE VCT CENTER J MOBILE CLINIC K COMMUNITY/FIELDWORKER L OTHER PRIVATE MEDICAL M (SPECIFY) OTHER SOURCE SHOP N OTHER X (SPECIFY)	
951	Husbands and wives do not always agree on everything. If a wife knows her husband has a disease that she can get during sexual intercourse, is she justified in refusing to have sex with him?	YES 1 NO 2 DONT KNOW 8	
952	If a wife knows her husband has a disease that she can get during sexual intercourse, is she justified in asking that they use a condom when they have sex?	YES 1 NO 2 DONT KNOW 8	
953	Is a wife justified in refusing to have sex with her husband when she is tired or not in the mood?	YES 1 NO 2 DONT KNOW 8	
954	Is a wife justified in refusing to have sex with her husband when she knows her husband has sex with other women?	YES 1 NO 2 DONT KNOW 8	
955	CHECK 601: CURRENTLY MARRIED/ LIVING WITH A PARTNER <input type="checkbox"/> NOT IN UNION <input type="checkbox"/>		→ 958
956	Can you say no to your husband/partner if you do not want to have sexual intercourse?	YES 1 NO 2 DEPENDS/NOT SURE 8	
957	Could you ask your husband/partner to use a condom if you wanted him to?	YES 1 NO 2 DEPENDS/NOT SURE 8	

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
958	Do you believe that young men should wait until they are married to have sexual intercourse?	YES 1 NO 2 DONT KNOW 8	
959	Do you think that most young men you know wait until they are married to have sexual intercourse?	YES 1 NO 2 DONT KNOW 8	
960	Do you believe that men who are not married and are having sex should only have sex with one partner?	YES 1 NO 2 DONT KNOW 8	
961	Do you think that most men you know who are not married and are having sex, have sex with only one partner?	YES 1 NO 2 DONT KNOW 8	
962	Do you believe that married men should only have sex with their wives?	YES 1 NO 2 DONT KNOW 8	
963	Do you think that most married men you know have sex only with their wives?	YES 1 NO 2 DONT KNOW 8	
964	Do you believe that young women should wait until they are married to have sexual intercourse?	YES 1 NO 2 DONT KNOW 8	
965	Do you think that most young women you know wait until they are married to have sexual intercourse?	YES 1 NO 2 DONT KNOW 8	
966	Do you believe that women who are not married and are having sex should only have sex with one partner?	YES 1 NO 2 DONT KNOW 8	
967	Do you think that most women you know who are not married and are having sex, have sex with only one partner?	YES 1 NO 2 DONT KNOW 8	
968	Do you believe that married women should only have sex with their husbands?	YES 1 NO 2 DONT KNOW 8	
969	Do you think that most married women you know have sex only with their husbands?	YES 1 NO 2 DONT KNOW 8	

ZAM CORE EPI: FOLLOW-UP SURVEY 2003

1. Cluster identification:

CSA SEA Rural/Urban

2. Housing identification:

Building Unit Household

3. Personal number:

4. AGE

5. SEX (Male=1, Female=2)

6. What is your mother Language?
 (1=Bemba, 2=Kaonde, 3=Lozi, 4=Lunda, 5=Luvale, 6=Nyanja, 7=Tonga, 8=other)

7. For how long have you been living continuously in this household?
 (if less than 1 year, code 0, else years)

8. Just before you moved here, did you live in a 1=Village, or 2=Lusaka, or 3=other city or town?

9. Marital status: Are you now
 (1)Single, never married, (2) Single but engaged, (3) Living as married, (4) Married, (5)Widowed, (6) Separated/div.

If single, never married, skip to Q 14

10. For how long have you been married to this person?
 (if less than 1 year, code 0, else years)

11. How old is this person (spouse)?

12. How old were you when you first got married?

13. Now think back to the past. Apart from this spouse, how many have you been married to/living with in your whole life?

14. For how many years did you go to school?

15. What is your highest level of education completed? (1=Never attended, 2=Grade 1-4, 3=Grade 5-7, 4=Grade 8-9, 5=Grade 10-12, 6=Higher)

16. Are you still in school?

Score for all yes/no Qs: Yes=1, No=2

17. Are you employed at present?
 (1=Unemployed, 2=Unpaid family worker, 3=Self employed, 4=Employee, 5=Employer)

Does your household have

18. Electricity?

19. A radio?

20. A refrigerator?

21. A bicycle?

22. A plough?

23. A donkey?

24. What is your religion?
 (1=None, 2=Catholic, 3=Liberal protestant, 4=Strict protestant, 5=Muslim, 6=other)

25. Have you during the past years been on regular trips where you have to stay away from home for several days or more?
 (1=Never, 2=Sometimes, 3=Often, 4=Very often)

26. How would you say your health is at the moment? Is it (1 =) Very poor, (2 =) Poor, (3 =) Fair, (4=) Good, (5 =) Excellent

During the last one year, how many times did you visit

27. a traditional healer?

28. a spiritual healer?

29. private doctor/clinic?

30. the local health centre?

31. the hospital?

32. How many times were you admitted in hospital during the last one year?

33. If ever admitted in hospital, did you ever receive blood (transfusion)?

34. Are you on any type of medication? (1=No, 2=Traditional, 3=Professional)

During the last one year, did you suffer from

35. Malaria

36. TB

37. Any STD (sexually transmitted disease)

Now I will ask you some few questions related to certain pains and problems, that might have bothered you the last 30 days. If you think the question applies to you and you have had the problem in the last 30 days, answer Yes. If not, answer No. (Codes: Yes=1, No=2, Don't know=3)

- 38. Do you sleep badly?
 - 39. Do you cry more than usual?
 - 40. Do you find it difficult to enjoy your daily activities?
 - 41. Do you find it difficult to make decisions?
 - 42. Is your daily life suffering?
 - 43. Are you unable to play a useful part in life?
 - 44. Has the thought of ending your life been on your mind?
 - 45. Do you feel tired all the time?
 - 46. Do you often have headaches?
 - 47. Is your digestion poor?
- Do you agree or disagree with the following statements?: (Read and obtain a response for each statement: Code 1 when Agreeing, 2 when Disagreeing).
- 48. Condoms are safe preventing HIV/AIDS
 - 49. Most women don't like men to use condoms
 - 50. Condoms are embarrassing to obtain
 - 51. Using condoms shows responsibility
 - 52. Most men do not like using condoms
 - 53. Condoms are too expensive
 - 54. Using condoms is against my religion
- 55. Have you ever had sexual relations?

If no, skip to Q 67

- 56. At what age did you first have sex?
- 57. Have you had sex the last 12 months?
- 58. Have you ever used a condom?
- 59. Did you use a condom last time you had sex?

- 60. Is it easy to get a condom when needed?

- 61. Did you have a regular sex partner during the last 12 months?
 - 62. Did you have sex with anyone else apart from your regular sex partner last year?
 - 63. If yes on Q62: Approximately how old was the last casual sex partner?
 - 64. Did you use a condom when you last had sex with a casual partner?
 - 65. With how many different people have you had sex in the last 12 months? (include spouse)
 - 66. How many different people have you had sex with in your life?
 - 67. Have you ever contracted any STD?
- If no, skip to Q 69
- 68. Did you tell your partner?

Do you agree or disagree with the following statements: (Read and obtain a response for each statement, code 1 when Agreeing, 2 when Disagreeing)

- 69. I have less sexual partners at present compared to some years ago
- 70. My friends have not changed their sexual behaviour despite the AIDS risk
- 71. Some years ago I did not use condoms
- 72. Most of my friends never use condoms
- 73. I always use a condom nowadays

- 74. In your situation, do you think that you are at risk of getting (catching) HIV? Would you say that
- 1= You are not at risk, or
 2= the risk is moderate, or
 3= the risk is high, or
 4= the risk is very high

- 75. How worried are you about actually being infected by HIV/AIDS?
- 1= Always worried, or
 2= Sometimes worried, or
 3= Seldom worried, or
 4= Never worried

Now I will ask you some hypothetical questions

76. If a member of your family became sick with the HIV/AIDS virus, would you be willing to care for him or her in your household?

77. If you knew that a shopkeeper or food seller had the HIV/AIDS virus, would you buy fresh vegetables from him?

78. If a female teacher has the HIV/AIDS virus but is not sick, should she be allowed to continue teaching in school?

79. If a member of your family became infected with the AIDS virus, would you want it to remain a secret?

MALES ONLY:

80. Have you been circumcised?

81. How many wives do you have?

FEMALES ONLY:

82. Have you ever given birth?

83. Are you pregnant at present?

If not given birth, skip to 91

84. How many have you given birth to all in all?

85. How long is it since you last gave birth?
(if less than 1 year, code 0, else years)

86. Do you want another child?

87. How did the last pregnancy end?
(1=live, 2=still, 3=abortion)

88. Did you visit any antenatal care services during last pregnancy?
1= No; 2= Yes, traditional practitioner or midwife
3= Yes, clinic/hospital
4= Yes, Private clinic

89. Have any of your children died before the age of one?
Code the number, if none, score 0.

90. Have any of your children died before the age of 5?
Code the number, if none score 0.

91. Do you use any of the following contraceptive methods currently?
(mention all)
1= Pill; 2= Injections; 3= IUD; 4= Condom;
5= Natural; 6= Traditional; 7= Any other; 8= None

92. Have you ever used a condom

as your contraceptive method?
93. Does your husband have other wives?

94. Do you often use traditional agents like herbs or other agents for self-treatment when experiencing vaginal discharge or itching?
(1=Most often, 2=Sometimes, 3=Never)

95. Do you often use traditional agents like herbs or a cloth before having sex?
(1=most often, 2=sometimes, 3=never)

96. Is your usual (regular) male partner circumcised?
Yes=1, No=2, don't know=3

Do you agree or disagree with the following statement: 1=agree, 2=disagree

97. If my husband had a STD, I could either refuse to have sex with him or I would get him to use a condom?

ALL RESPONDENTS

Inform on saliva samples; anonymity, consent; and on the voluntary option of being counselled and tested

98. Have you ever been HIV tested?

99. If tested: Did you receive the test result?

100. Would you like us to arrange for you to be HIV tested?

101. Attendance
1=Completed (both interview and saliva)
2=Refused saliva
3=Refused interview
4=Refused both interview and saliva
5=Not found

102. Number of interviewer

103. Date: day:..... /month...../year.....

**CENTRAL STATISTICAL OFFICE
ZAMBIA SEXUAL BEHAVIOUR SURVEY 2009
PART B: INDIVIDUAL FORM – ENGLISH**

IDENTIFICATION																																				
Q01 COMMUNITY _____	Q01	<table border="1" style="border-collapse: collapse; width: 100px; height: 100px;"> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </table>																																		
Q02 PROVINCE _____	Q02																																			
Q03 DISTRICT _____	Q03																																			
Q04 CLUSTER NUMBER	Q04																																			
Q05 HOUSEHOLD NUMBER	Q05																																			
Q06 CENTRALITY CODE* [NOTE: SUPERVISOR WILL ASSIGN CENTRALITY CODE]	Q06																																			
Q07 RESIDENCE: RURAL =1 URBAN = 2	Q07																																			
Q08 RESPONDENT LINE NO.	Q08																																			
Q09. INTERVIEWER VISITS																																				
VISIT NO.	1	2	3	FINAL VISIT																																
DATE	DAY/ MO NTH/ YEAR	DAY/ MO NTH/ YEAR	DAY/ MO NTH/ YEAR	DAY																																
INTERVIEWER'S NAME	_____	_____	_____	MONTH																																
RESULT*	_____	_____	_____	YEAR																																
NEXT VISIT: DATE	_____	_____		INT. NUMBER																																
TIME	_____	_____		RESULT																																
				TOTAL NUMBER OF VISITS																																
<p>*RESULT CODES:</p> <p>1 COMPLETED</p> <p>2 NO HOUSEHOLD MEMBER AT HOME OR NO COMPETENT RESPONDENT HOME AT TIME OF VISIT</p> <p>3 ENTIRE HH ABSENT FOR EXTENDED PERIOD OF TIME</p> <p>4 POSTPONED</p> <p>5 REFUSED</p> <p>6 DWELLING VACANT OR ADDRESS NOT A DWELLING</p> <p>7 DWELLING DESTROYED</p> <p>8 DWELLING NOT FOUND</p> <p>9 OTHER _____</p> <p align="center">(SPECIFY)</p>																																				
SUPERVISOR	FIELD EDITOR	OFFICE EDITOR	KEYED BY																																	
NAME _____	NAME _____	_____	_____																																	
DATE _____	DATE _____	_____	_____																																	

* CENTRALITY CODES

- | | |
|--|--|
| 1 Areas w/in Lusaka city | 7 Areas w/in 30 KM along Northern line of rail |
| 2 Areas w/in Ndola city | 8 Areas w/in 30 KM of provincial capitals |
| 3 Areas w/in Kitwe city | 9 Areas w/in District centres |
| 4 Areas w/in 50 KM of Lusaka, Ndola, or Kitwe | 10 Areas w/in 30 KM of district centres |
| 5 Areas w/in provincial capitals | 11 Remote areas |
| 6 Areas w/in 30 KM Southern to Copperbelt line of rail | |

SECTION 1. BACKGROUND CHARACTERISTICS

INTRODUCTION AND CONSENT

<p>READ OUT: Hello. My name is _____ I am working with the Central Statistical Office (CSO) and Ministry of Health, collecting information pertaining to your health. Please be assured that everything we discuss will be strictly confidential and no information will be shared or leaked. May I continue? First, I would like to ask some questions about you and your household.</p>			
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
Q101	CIRCLE SEX OF THE RESPONDENT	MALE 1 FEMALE 2	
Q102	In what month and year were you born?	MONTH <input type="text"/> <input type="text"/> DONT KNOW MONTH 98 YEAR <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> DONT KNOW YEAR 9998	
Q103	How old were you at your last birthday? (COMPARE RESPONSE IN Q102 AND CORRECT Q102 IF NECESSARY.)	AGE IN COMPLETED YEARS <input type="text"/> <input type="text"/>	
Q104	Do you read a newspaper or magazine almost every day, at least once a week, less than once a week or not at all? (IN ANY LANGUAGE)	ALMOST EVERY DAY 1 AT LEAST ONCE A WEEK 2 LESS THAN ONCE A WEEK 3 NOT AT ALL 4 CANNOT READ 5	
Q105	Do you listen to the radio almost every day, at least once a week, less than once a week or not at all?	ALMOST EVERY DAY 1 AT LEAST ONCE A WEEK 2 LESS THAN ONCE A WEEK 3 NOT AT ALL 4	
Q106	Do you watch television almost every day, at least once a week, less than once a week or not at all?	ALMOST EVERY DAY 1 AT LEAST ONCE A WEEK 2 LESS THAN ONCE A WEEK 3 NOT AT ALL 4	
Q107	Have you ever attended school?	YES 1 NO 2	→ Q110
Q108	What is the highest level of school you attended: primary, secondary, or higher?	PRIMARY 1 SECONDARY 2 HIGHER 3	
Q109	What is the highest (grade/form/year) you completed at that level? RECORD 00 IF LESS THAN ONE GRADE COMPLETED AT THAT LEVEL	GRADE/FORM/YEAR <input type="text"/> <input type="text"/>	
Q110	How long have you been living continuously in [NAME OF VILLAGE/TOWN/CITY]? (ENTER 00 IF LESS THAN 1 YEAR.)	YEARS <input type="text"/> <input type="text"/>	
Q111	In the last 12 months, on how many separate occasions have you traveled or spent days away from your home community and slept away?	NUMBER OF DAYS <input type="text"/> <input type="text"/> NONE 00	→ Q113
Q112	In the last 12 months, have you been away from your home community for more than one month (30 consecutive days)?	YES 1 NO 2	
Q113	Have you ever taken an alcoholic drink of any kind, for example, beer, wine, or whiskey?	YES 1 NO 2	→ Q117a
Q114	Have you ever gotten 'drunk' from drinking an alcohol-containing beverage?	YES 1 NO 2	→ Q116
Q115	In the last 4 weeks, on how many occasions did you get drunk? (ENTER 00 IF NONE OR NEVER)	NUMBER OF TIMES <input type="text"/> <input type="text"/>	

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
Q116	In the last 4 weeks, on how many days did you drink an alcohol-containing beverage? (ENTER 00 IF NONE OR NEVER)	NUMBER OF DAYS <input type="text"/> <input type="text"/>	
Q117	Where do you usually get/buy your alcoholic beverage from? (CIRCLE ALL MENTIONED)	SHOP A BAR B DISCO C RESTAURANT D FRIENDS E RELATIVES F OTHER X (SPECIFY)	
Q117a	Have you gone to the bar/disco/night club in the past seven days and nights including today? IF YES: How many days.	NUMBER FROM 0 to 7 <input type="text"/> <input type="text"/>	
Q117b	Have you ever taken drugs such as cannabis, cocaine, heroine, sniffed petrol?	YES 1 NO 2	→ Q118
Q117c	In the last 4 weeks, which drugs have you taken? (CIRCLE ALL MENTIONED)	CANNABIS A COCAINE B HEROINE C SNIFFED PETROL D OTHER X (SPECIFY) NONE Y	→ Q117f
Q117d	In the last 4 weeks, on how many occasions did you take the drugs?	NUMBER OF TIMES <input type="text"/> <input type="text"/>	
Q117e	In the last 4 weeks, on how many days did you take the drugs?	NUMBER OF DAYS <input type="text"/> <input type="text"/>	
Q117f	Where do/did you usually get/buy your drugs from? (CIRCLE ALL MENTIONED)	SHOP A BAR B DISCO C FRIENDS D RELATIVES E OTHER X (SPECIFY)	
Q118	IF FEMALE (GO TO Q119) <input type="checkbox"/>	IF MALE (SKIP TO Q121) <input type="checkbox"/>	Q121
Q119	Apart from your own housework, are you currently working?	YES 1 NO 2	→ Q123
Q120	As you know, some women take up jobs for which they are paid in cash or kind. Others sell things, have a small business or work on the family farm or in the family business. Are you currently doing any of these things or any other work?	YES 1 NO 2	→ Q123 → Q122
Q121	Are you currently working?	YES 1 NO 2	→ Q123
Q122	Have you done any work in the last 12 months?	YES 1 NO 2	→ Q124
Q123	What is your current occupation, that is, what kind of work do you mainly do? (ENTER CURRENT EMPLOYMENT OR SOURCE OF INCOME IN SPACE PROVIDED, INCLUDING IF UNEMPLOYED OR FULL-TIME HOUSEWIFE.) (NUMERICAL CODES WILL BE ASSIGNED.)	SPECIFY _____ CODE <input type="text"/> <input type="text"/>	→ Q125
Q124	What have you been doing for most of the time over the last 12 months?	GOING TO SCHOOL/STUDYING.....01 01 LOOKING FOR WORK.....02 02 RETIRED03 TOO ILL TO WORK.....04 04 HANDICAPPED, CANNOT WORK.....05 05 HOUSEWORK/CHILD CARE.....06 06 OTHER 07	
Q125	What is your religion? (ENTER CURRENT RELIGION. IF NO RELIGION, ENTER 'NONE' AND SKIP TO Q127.) (NUMERICAL CODES WILL BE ASSIGNED.)	SPECIFY _____ CODE <input type="text"/> <input type="text"/>	

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
Q126	<p>IF RESPONDENT IDENTIFIES HIM/HERSELF IN Q125 AS MEMBER OF A CHURCH, ASK: In the last 12 months, have you attended church at least twice each month?</p>	<p>YES 1 NO 2</p>	
Q127	<p>To which ethnic group/ tribe do you belong? (ENTER ETHNIC GROUP / TRIBE.) (NUMERICAL CODES WILL BE ASSIGNED.)</p>	<p>SPECIFY _____ CODE <input type="text"/> <input type="text"/></p>	
Q128	<p>Are you the primary care giver for any children?</p>	<p>YES 1 NO 2</p>	→ Sec 2
Q129	<p>Are any of these children for whom you are the primary caregiver under the age of 18?</p>	<p>YES 1 NO 2</p>	→ Sec 2
Q130	<p>Now I would like to ask you about the children who are under the age of 18 and for whom you are the primary caregiver. Have you made arrangements for someone to care for these children in the event that you fall sick or are unable to care for them?</p>	<p>YES 1 NO 2 UNSURE 8</p>	

SECTION 3. SEXUAL HISTORY AND BEHAVIOUR

NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	SKIP
Q301	<p>Now I would like to ask you some questions about sexual activity in order to gain a better understanding of some family life issues.</p> <p>How old were you when you first had sexual intercourse (if ever)?</p>	<p>NEVER 00</p> <p>AGE IN YEARS <input type="text"/> <input type="text"/></p> <p>FIRST TIME WHEN STARTED LIVING WITH (FIRST) SPOUSE/PARTNER 95</p>	<p>→ Q302</p> <p>→ Q302</p>
Q301a	<p>THIS FILTER IS ONLY FOR THOSE WHO HAVE NEVER HAD SEX</p> <p>CHECK 103: AGE <input type="text"/> 15-24</p>	<p>AGE 25-60 <input type="text"/></p>	<p>Q339a</p>
Q301b	<p>Do you intend to wait until you get married to have sexual intercourse for the first time?</p>	<p>YES 1</p> <p>NO 2</p> <p>DON'T KNOW 8</p>	<p>→ Q339a</p>
Q302	<p>The first time you had sexual intercourse was a condom used?</p>	<p>YES 1</p> <p>NO 2</p> <p>DON'T KNOW 8</p>	
Q303	<p>How old was the person you first had sexual intercourse with?</p>	<p>AGE OF PARTNER <input type="text"/> <input type="text"/></p> <p>DON'T KNOW 98</p>	
Q304	<p>Was your first sex partner older than you, younger than you, or about the same age?</p> <p>IF OLDER OR YOUNGER, ASK: By how many years was this sex partner older/younger than you?</p>	<p>OLDER 1 <input type="text"/> <input type="text"/></p> <p>YOUNGER 2 <input type="text"/> <input type="text"/></p> <p>SAME AGE 3 <input type="text"/> <input type="text"/></p> <p>DON'T KNOW 98</p>	<p>→ Q306</p>
Q305	<p>Would you say this person was ten or more years older than you or less than ten years younger than you?</p>	<p>Ten or More Years Older 1</p> <p>Less Than Ten Years Older 2</p> <p>Older, Unsure How Much 3</p> <p>Ten or More Years Younger 4</p> <p>Less Than Ten Years Younger 5</p> <p>Younger, Unsure How Much 6</p>	
Q306	<p>When was the last time you had sexual intercourse?</p> <p>(COMPLETE ONLY ONE OPTION.)</p> <p>ENTER 00 IF LESS THAN 1 DAY</p> <p>ENTER 'MONTHS AGO' ONLY IF 11 MONTHS OR LESS.</p> <p>ENTER 'YEARS AGO' ONLY IF ONE OR MORE YEARS AGO.</p>	<p>DAYS AGO 1 <input type="text"/> <input type="text"/></p> <p>WEEKS AGO 2 <input type="text"/> <input type="text"/></p> <p>MONTHS AGO 3 <input type="text"/> <input type="text"/></p> <p>YEARS AGO 4 <input type="text"/> <input type="text"/></p>	<p>IF ONE YEAR OR MORE, GO TO Q328</p>

READ OUT:

I am going to ask some specific questions about sex and your sexual partner(s) in the last 12 months. I know it may be difficult to remember exactly, but I would like you to answer the questions to the best of your knowledge, as this information is very important for the survey. Again, this information is all completely private and anonymous and cannot be linked to you or any partner in any way.

I will begin by asking about your most recent sexual partner, but in case you have more than one partner, I will ask only about the last three partners you may have had in the past 12 months. This includes anyone you might have had sex with: husband, wife or wives, girlfriends, boyfriends, friends, casual partners, someone you may have met at a bar, wedding, a special event, etc.

ASK Q307-Q323 FOR EACH SEXUAL PARTNER, BEGINNING WITH THE MOST RECENT. COMPLETE ALL QUESTIONS FOR EACH PARTNER, ONE PARTNER AT A TIME.

		Partner 1 Most recent partner	Partner 2 Next-to-last partner	Partner 3 second-to-last partner
Q307a	Is your relationship with this partner ongoing?	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8	YES 1 NO 2 DON'T KNOW 8
Q307b	How long has this relationship been going on/how long did it last?	DAYS 1 <input type="text"/> WEEKS 2 <input type="text"/> MONTHS 3 <input type="text"/> YEARS 4 <input type="text"/> WAS A ONE-TIME SEXUAL CONTACT 5	DAYS 1 <input type="text"/> WEEKS 2 <input type="text"/> MONTHS 3 <input type="text"/> YEARS 4 <input type="text"/> WAS A ONE-TIME SEXUAL CONTACT 5	DAYS 1 <input type="text"/> WEEKS 2 <input type="text"/> MONTHS 3 <input type="text"/> YEARS 4 <input type="text"/> WAS A ONE-TIME SEXUAL CONTACT 5
Q307c	What was your relationship to this person with whom you had sexual intercourse? (READ OUT CHOICES) CHECK Q203 IF ANSWER IS 1 OR 2	Husband/wife 1 Live-in partner 2 Girlfriend / boyfriend not living with you 3 Someone whom you paid or who paid you for sex 4 Casual acquaintance 5 Ex-spouse 6 Ex-boyfriend/Ex-girlfriend 7 Other(specify) 8 (SPECIFY) _____	Husband/wife 1 Live-in partner 2 Girlfriend / boyfriend not living with you 3 Someone whom you paid or who paid you for sex 4 Casual acquaintance 5 Ex-spouse 6 Ex-boyfriend/Ex-girlfriend 7 Other(specify) 8 (SPECIFY) _____	Husband/wife 1 Live-in partner 2 Girlfriend / boyfriend not living with you 3 Someone whom you paid or who paid you for sex 4 Casual acquaintance 5 Ex-spouse 6 Ex-boyfriend/Ex-girlfriend 7 Other(specify) 8 (SPECIFY) _____
Q308	How old is this person?	AGE <input type="text"/> DON'T KNOW 98	AGE <input type="text"/> DON'T KNOW 98	AGE <input type="text"/> DON'T KNOW 98
Q309	Is this person older than you, younger than you, or about the same age?	OLDER 1 YOUNGER 2 SAME AGE 3 → 311 DON'T KNOW 8 -	OLDER 1 YOUNGER 2 SAME AGE 3 → 311 DON'T KNOW 8	OLDER 1 YOUNGER 2 SAME AGE 3 → 311 DON'T KNOW 8 -
Q310	Would you say this person is ten or more years older than you, or less than ten years younger than you?	TEN OR MORE YEARS OLDER 1 LESS THAN TEN YEARS OLDER 2 OLDER, UNSURE HOW MUCH 3 TEN OR MORE YEARS YOUNGER 4 LESS THAN TEN YEARS YOUNGER 5 YOUNGER, UNSURE HOW MUCH 6	TEN OR MORE YEARS OLDER 1 LESS THAN TEN YEARS OLDER 2 OLDER, UNSURE HOW MUCH 3 TEN OR MORE YEARS YOUNGER 4 LESS THAN TEN YEARS YOUNGER 5 YOUNGER, UNSURE HOW MUCH 6	TEN OR MORE YEARS OLDER 1 LESS THAN TEN YEARS OLDER 2 OLDER, UNSURE HOW MUCH 3 TEN OR MORE YEARS YOUNGER 4 LESS THAN TEN YEARS YOUNGER 5 YOUNGER, UNSURE HOW MUCH 6
Q311	At what place or event did you first talk to or get to know this partner?	OWN/FRIEND'S HOUSE 1 CHURCH 2 SCHOOL 3 WORK 4 WEDDING, FUNERAL, OR OTHER FAMILY EVENT 5 SPORTING EVENT 6 BAR/NIGHTCLUB 7 BROTHEL 8 HOTEL 9 ROAD/STREET 10 OTHER 11 (SPECIFY) _____	OWN/FRIEND'S HOUSE 1 CHURCH 2 SCHOOL 3 WORK 4 WEDDING, FUNERAL, OR OTHER FAMILY EVENT 5 SPORTING EVENT 6 BAR/NIGHTCLUB 7 BROTHEL 8 HOTEL 9 ROAD/STREET 10 OTHER 11 (SPECIFY) _____	OWN/FRIEND'S HOUSE 1 CHURCH 2 SCHOOL 3 WORK 4 WEDDING, FUNERAL, OR OTHER FAMILY EVENT 5 SPORTING EVENT 6 BAR/NIGHTCLUB 7 BROTHEL 8 HOTEL 9 ROAD/STREET 10 OTHER 11 (SPECIFY) _____

		Partner 1 Most recent partner	Partner 2 Next-to-last partner	Partner 3 Second-to-last partner
Q312	Where does this partner live? PROBE: Does he/she live in:	Same household 1 Same village or neighborhood 2 Other urban area 3 Other rural area 4 Other (specify) 5 Don't know 8	Same household 1 Same village or neighborhood 2 Other urban area 3 Other rural area 4 Other (specify) 5 Don't know 8	Same household 1 Same village or neighborhood 2 Other urban area 3 Other rural area 4 Other (specify) 5 Don't know 8
Q313	How long has it been since the very first time you had sex with this partner? (COMPLETE ONLY ONE OPTION.)	DAYS AGO .. 1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WEEKS AGO 2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MONTHS AGO 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> YEARS AGO 4 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	DAYS AGO .. 1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WEEKS AGO 2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MONTHS AGO 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> YEARS AGO 4 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	DAYS AGO 1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WEEKS AGO 2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MONTHS AGO 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> YEARS AGO 4 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Q314	How many times have you had sex with this partner: once, twice or more?	ONCE 1 TWICE 2 MORE 3 IF ONCE, GO TO Q317	ONCE 1 TWICE 2 MORE 3 IF ONCE, GO TO Q317	ONCE 1 TWICE 2 MORE 3 IF ONCE, GO TO Q317
Q315	The first time you had sex with this partner, did you or this partner use a condom?	YES 1 NO 2 DONT KNOW 8	YES 1 NO 2 DONT KNOW 8	YES 1 NO 2 DONT KNOW 8
Q316	How long has it been since the last (most recent) time you had sex with this partner? (COMPLETE ONLY ONE OPTION.)	DAYS AGO .. 1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WEEKS AGO 2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MONTHS AGO 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WAS A ONE-TIME SEXUAL CONTACT 4	DAYS AGO .. 1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WEEKS AGO 2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MONTHS AGO 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WAS A ONE-TIME SEXUAL CONTACT 4	DAYS AGO 1 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WEEKS AGO 2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> MONTHS AGO 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> WAS A ONE-TIME SEXUAL CONTACT 4
Q317	The last time you had sexual intercourse with this (second/third) person, was a condom used?	YES 1 NO 2 DONT KNOW 8 IF NO OR DONT KNOW, SKIP TO Q320a	YES 1 NO 2 DONT KNOW 8 IF NO OR DONT KNOW, SKIP TO Q320a	YES 1 NO 2 DONT KNOW 8 IF NO OR DONT KNOW, SKIP TO Q320a
Q318	That last time, which brand of condom did you or this partner use? (CIRCLE ALL MENTIONED) PROBE: Any other brand?	BARE BACK A CHISHANGO B DUREX C EROTICA D JEANS E MAXIMUM F PROTECTOR PLUS G ROUGH RIDER H SALAMA I SUCCESS J WET & WILD K GENERIC BRAND L CARE FEMALE CONDOM M OTHER (SPECIFY)..... X DK (FEMALE CONDOM) Y DK (MALE CONDOM) Z	BARE BACK A CHISHANGO B DUREX C EROTICA D JEANS E MAXIMUM F PROTECTOR PLUS G ROUGH RIDER H SALAMA I SUCCESS J WET & WILD K GENERIC BRAND L CARE FEMALE CONDOM M OTHER (SPECIFY) X DK (FEMALE CONDOM) Y DK (MALE CONDOM) Z	BARE BACK A CHISHANGI B DUREX C EROTIC D JEANS E MAXIMUM F PROTECTOR PLU G ROUGH RIDER H SALAMA I SUCCESS J WET & WILD K GENERIC BRAND L CARE FEMALE CONDO M OTHER (SPECIFY)..... X DK (FEMALE CONDOM) Y DK (MALE CONDOM) Z

		Partner 1 Most recent partner	Partner 2 Next-to-last partner	Partner 3 second-to-last partner
Q319	From what place or person did you or this partner get that condom? (CIRCLE ALL MENTIONED)	SHOP A PHARMACY B HOSPITAL/CLINIC C FAMILY PLANNING CENTRE D BAR/HOTEL E PEER EDUCATOR F YOUTH-FRIENDLY CORNER G OTHER (SPECIFY) X DONT KNOW Z	SHOP A PHARMACY B HOSPITAL/CLINIC C FAMILY PLANNING CENTRE D BAR/HOTEL E PEER EDUCATOR F YOUTH-FRIENDLY CORNER G OTHER (SPECIFY) X DONT KNOW Z	SHOP A PHARMACY B HOSPITAL/CLINIC C FAMILY PLANNING CENTRE D BAR/HOTEL E PEER EDUCATOR F YOUTH-FRIENDLY CORNER G OTHER (SPECIFY) X DONT KNOW Z
Q320a	The last time you had a sexual act, with this partner, did you drink alcohol before sex?	YES 1 NO 2 DONT KNOW 8	YES 1 NO 2 DONT KNOW 8	YES 1 NO 2 DONT KNOW 8
Q320b	The last time you had a sexual act, with this partner, did this partner drink alcohol before sex?	YES 1 NO 2 DONT KNOW 8	YES 1 NO 2 DONT KNOW 8	YES 1 NO 2 DONT KNOW 8
Q320c	IF NO TO BOTH Q320a AND Q320b GO TO Q321. Were you or your partner drunk at that time? IF YES, WHO?	RESPONDENT ONLY 1 PARTNER ONLY 2 RESPONDENT AND PARTNER BOTH 3 NEITHER 4	RESPONDENT ONLY 1 PARTNER ONLY 2 RESPONDENT AND PARTNER BOTH 3 NEITHER 4	RESPONDENT ONLY 1 PARTNER ONLY 2 RESPONDENT AND PARTNER BOTH 3 NEITHER 4
Q321	In the past 12 months, how often did you or this partner use a condom during sex? Always, sometimes, or never?	ALWAYS 1 SOMETIMES 2 NEVER 3 DONT KNOW 8	ALWAYS 1 SOMETIMES 2 NEVER 3 DONT KNOW 8	ALWAYS 1 SOMETIMES 2 NEVER 3 DONT KNOW 8
Q321a	Are you able to negotiate condom use with this partner?	YES 1 NO 2 NOT SURE 8	YES 1 NO 2 NOT SURE 8	YES 1 NO 2 NOT SURE 8
Q322	In the past 12 months, how likely is it that this partner had other sex partners?	VERY LIKELY 1 SOMEWHAT LIKELY 2 NOT AT ALL LIKELY 3 DONT KNOW 8	VERY LIKELY 1 SOMEWHAT LIKELY 2 NOT AT ALL LIKELY 3 DONT KNOW 8	VERY LIKELY 1 SOMEWHAT LIKELY 2 NOT AT ALL LIKELY 3 DONT KNOW 8

		Partner 1 Most recent partner	Partner 2 Next-to-last partner	Partner 3 second-to-last partner
Q322a	<p>IF FIRST PARTNER: While sexually active with this partner, how many other sexual partners did you have at the same time as this one?</p> <p>IF 2ND/3RD PARTNER: Not including the [first/second] partner, while sexually active with this partner, how many other sexual partners did you have at the same time as this one?</p>	<p>NUMBER <input type="text"/> <input type="text"/></p> <p>NONE 00 DONT KNOW 98</p> <p>(IF NONE/00, SKIP TO Q323)</p>	<p>NUMBER <input type="text"/> <input type="text"/></p> <p>NONE 00 DONT KNOW 98</p> <p>(IF NONE/00, SKIP TO Q323)</p>	<p>NUMBER <input type="text"/> <input type="text"/></p> <p>NONE 00 DONT KNOW 98</p> <p>(IF NONE/00, SKIP TO Q323)</p>
Q322b	Did sexual contact with any of these other partners take place within the last 12 months?	<p>YES 1 (IF YES, GO BACK TO Q307a AND ASK ABOUT NEXT MOST RECENT PARTNER)</p> <p>NO 2</p>	<p>YES 1 (IF YES, GO BACK TO Q307a AND ASK ABOUT NEXT MOST RECENT PARTNER)</p> <p>NO 2</p>	<p>YES 1</p> <p>NO 2</p>
Q323	Now think about the last partner you had sex with before this [second/third] partner we just talked about. Was this sexual contact within the past 12 months?	<p>YES 1 (IF YES, GO BACK TO Q307a AND ASK ABOUT NEXT PARTNER)</p> <p>NO 2 (IF NO, GO TO Q324)</p>	<p>YES 1 (IF YES, GO BACK TO Q307a AND ASK ABOUT NEXT PARTNER)</p> <p>NO 2 (IF NO, GO TO Q324)</p>	GO TO Q324

No.	Questions and Filters	Coding Categories	Skip to
Q324	How many people have you had sex with in the past 4 weeks?	4 WEEK TOTAL <input type="text"/> NONE 00	→ Q326
Q325	How many of these people were new sexual partners for you in the past four weeks? That is, the first time you had sex with them was in the past four weeks. This includes partners with whom you had sex only one time.	4 WEEK NEW <input type="text"/>	
Q326	How many people have you had sex with in the past 12 months? This includes all male and female partners – people you had sex with only once and people you have had sex with regularly, such as a spouse or someone you live with.	12 MONTHS TOTAL <input type="text"/>	
Q327	Of these partners you had sex with in the past 12 months, how many did you have sex with for the first time in the past 12 months?	12 MONTHS NEW <input type="text"/>	
Q328	RESPONDENT IS FEMALE <input type="checkbox"/>	RESPONDENT IS MALE <input type="checkbox"/>	Q335
Q329	Now I would like to ask you some personal questions. I know that these questions are very personal. However, your answers are confidential and extremely important.		
Q330	The first time you had sexual intercourse, would you say that you had it because you wanted to, or because you were forced to have it against your will?	WANTED TO 1 FORCED TO 2 REFUSED TO ANSWER/NO RESPONSE . . . 8	
Q331	Have you ever been forced by a man to have sexual intercourse with him when you did not want to?	YES 1 NO 2 REFUSED TO ANSWER/NO RESPONSE . . . 8	
Q332	In the last 12 months, has anyone forced you to have sexual intercourse against your will?	YES 1 NO 2 REFUSED TO ANSWER/NO RESPONSE . . . 8	→ Q335 → Q335
Q333	In the last 12 months, how many times did this happen?	NUMBER OF TIMES <input type="text"/> DONT KNOW 98	

No.	Questions and Filters	Coding Categories	Skip to
Q334	<p>Would you be willing to tell me who did this to you? If yes who?</p> <p>CIRCLE ALL MENTIONED.</p> <p>Any one else?</p>	SPOUSE/LIVE-IN PARTNER A BOYFRIEND B FATHER C BROTHER D FATHER IN LAW E BROTHER IN-LAW F UNCLE G OTHER MALE RELATIVE H TEACHER I EMPLOYER J STRANGER K FORMER SPOUSE/LIVE-IN PARTNER . . . L FORMER BOYFRIEND M OTHER (SPECIFY) _____ X NOT WILLING TO SAY Z	
Q335	In the last 12 months have you paid for sex or been paid to have sex?	YES 1 NO 2	→ Q338
Q336	The last time you paid for sex or were paid to have sex, did you or this partner use a condom?	YES 1 NO 2	→ Q338
Q337	Did you use a condom during every sexual intercourse every time you paid someone or someone paid you in exchange for sex in the last 12 months?	YES 1 NO 2 DON'T KNOW 8	
Q338	<p>In total, how many different people have you had sexual intercourse with in your lifetime?</p> <p>IF NON-NUMERIC ANSWER, PROBE TO GET AN ESTIMATE.</p> <p>IF NUMBER OF PARTNERS IS GREATER THAN 95, WRITE '95'.</p>	Number of Partners <input type="text"/> <input type="text"/> Don't Know 98	
Q339	In the past 12 months, did you have "dry sex," that is, did you or a sexual partner do anything to dry or tighten the vagina before sex?	YES 1 NO 2 DON'T KNOW 8	
Q339a	Have you ever been exposed to pornographic material?	YES 1 NO 2	→ Q340
Q339b	How many times have you watched, seen or read pornographic material in the past 12 months?	NUMBER OF TIMES <input type="text"/> <input type="text"/> NONE/NEVER 00 DON'T KNOW 98	→ Q339d
Q339c	In the last 4 weeks, on how many occasions did you watch, see or read pornographic material?	NUMBER OF TIMES <input type="text"/> <input type="text"/> DON'T KNOW 98	
Q339d	<p>What sort of pornographic material have you been exposed to?</p> <p>(CIRCLE ALL MENTIONED)</p>	TELEVISION A VIDEOS/DVDS B INTERNET C MAGAZINE/BOOK D OTHER _____ X (SPECIFY)	
Q339e	<p>Where did you watch, see or read pornographic material?</p> <p>(CIRCLE ALL MENTIONED)</p>	OWN HOME A BOYFRIEND'S/GIRLFRIEND'S HOME B FRIEND'S HOME C RELATIVE'S HOME D HOTEL E SHOP F INTERNET CAFÉ G OTHER _____ X (SPECIFY)	

No.	Questions and Filters	Coding Categories	Skip to
Q340	<p>I'm going to read some statements about condoms, please tell me whether you agree or disagree with each statement.</p> <p>a. Condoms break easily. b. Condoms suppress sexual pleasure. c. Condoms are for use with regular partners. d. Condoms promote promiscuity. e. Most parents support the use of condoms by young people. f. Most young people support the use of condoms by their friends. g. Condoms are too embarrassing to suggest.</p>	<p style="text-align: center;">AGREE DISAG DK</p> <p>BREAK EASILY 1 2 8</p> <p>SUPPRESS PLEASURE . . . 1 2 8</p> <p>USE WITH REG PARTNERS . 1 2 8</p> <p>PROMOTE PROMISCUITY . . 1 2 8</p> <p>PARENTS SUPPORT 1 2 8</p> <p>YOUNG PEOPLE SUPPORT 1 2 8</p> <p>EMBARRASSING 1 2 8</p>	
Q341	<p>If used every time a person has sex, how effective are condoms for preventing HIV and AIDS? Very effective, somewhat effective, or not at all effective?</p>	<p>VERY EFFECTIVE 1</p> <p>SOMEWHAT EFFECTIVE 2</p> <p>NOT AT ALL EFFECTIVE 3</p> <p>NOT SURE 8</p>	
Q342	<p>If used every time a person has sex, how effective are condoms for preventing other sexually transmitted diseases like genital herpes, genital warts, gonorrhea, syphilis, or chlamydia? Very effective, somewhat effective, or not at all effective?</p>	<p>VERY EFFECTIVE 1</p> <p>SOMEWHAT EFFECTIVE 2</p> <p>NOT AT ALL EFFECTIVE 3</p> <p>NOT SURE 8</p>	
Q343	<p>Do you know of a place where a person can get condoms?</p>	<p>YES 1</p> <p>NO. 2</p>	→ Q345
Q344	<p>What places do you know of where a person can get condoms?</p> <p>IF SOURCE IS HOSPITAL, HEALTH CENTER, OR CLINIC, WRITE THE NAME OF THE PLACE. PROBE TO IDENTIFY THE TYPE OF SOURCE AND CIRCLE THE APPROPRIATE CODE.</p> <p>NAME OF PLACE</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>PROBE: Any other place?</p> <p>(CIRCLE ALL PLACES THAT ARE MENTIONED.)</p>	<p>PUBLIC SECTOR</p> <p>GOVERNMENT HOSPITAL A</p> <p>GOVERNMENT HEALTH CENTRE B</p> <p>FAMILY PLANNING CLINIC C</p> <p>MOBILE CLINIC D</p> <p>COMMUNITY HEALTH WORKER E</p> <p>YOUTH-FRIENDLY CORNER F</p> <p>OTHER PUBLIC (SPECIFY) G</p> <p>_____</p> <p>PRIVATE MEDICAL SECTOR</p> <p>PRIVATE HOSPITAL/CLINIC H</p> <p>PHARMACY I</p> <p>PRIVATE DOCTOR J</p> <p>MOBILE CLINIC K</p> <p>COMMUNITY HEALTH WORKER L</p> <p>OTHER PRIVATE (SPECIFY) M</p> <p>_____</p> <p>OTHER SOURCE</p> <p>PEER EDUCATOR N</p> <p>VCT CENTER O</p> <p>SHOP P</p> <p>CHURCH Q</p> <p>FRIENDS/RELATIVES R</p> <p>OTHER (SPECIFY) X</p> <p>_____</p>	
Q345	<p>If you wanted to, could you yourself get a condom?</p>	<p>YES 1</p> <p>NO. 2</p>	