

## SUPPLEMENTARY MATERIAL

### **Analysis of factors associated with comprehensive knowledge about HIV/AIDS transmission and prevention among people aged 15-49 years in Eswatini: evidence from the 2021-2022 multiple indicator cluster survey**

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**Supplementary Table 1. HIV prevention comprehensive knowledge across explanatory variables.**

Variables	Count	Percent	p-value
<b>Area</b>			
Urban	715	64.0	<0.001
Rural	1348	52.9	
<b>Region</b>			
Hhohho	600	53.9	0.045
Manzini	755	60.3	
Shiselweni	345	56.1	
Lubombo	363	53.0	
<b>Gender</b>			
Female	1160	57.8	0.125
Male	903	54.5	
<b>Age</b>			
15-19	362	45.9	<0.001
20-24	334	52.3	
25-29	397	60.0	
30-34	310	65.8	
35-39	302	62.1	
40-44	242	63.0	
45-49	114	48.4	
<b>Education</b>			
Pre-primary or none	42	44.6	<0.001
Primary	298	43.4	
Secondary	1337	56.0	
Higher	374	77.7	
<b>Marital/Union status</b>			
Currently married/in union	694	60.3	0.038
Formerly married/in union	108	54.1	
Never married/in union	1260	54.4	
<b>Functional difficulties (age 18-49 years)</b>			
Has functional difficulty	82	48.2	0.007
Has no functional difficulty	1773	59.3	
<b>Wealth index quintile</b>			
Poorest	306	45.1	<0.001
Second	343	53.1	
Middle	411	55.9	
Fourth	469	59.9	
Richest	534	64.9	
<b>Frequency of reading newspaper or magazine</b>			
Not at all	1002	50.7	<0.001
Less than once a week	342	53.7	
At least once a week	442	64.6	
Almost every day	276	75.9	
<b>Frequency of listening to the radio</b>			
Not at all	647	54.4	0.018
Less than once a week	263	52.3	
At least once a week	339	54.2	
Almost every day	812	60.4	
<b>Frequency of watching TV</b>			
Not at all	498	49.3	<0.001
Less than once a week	133	52.1	
At least once a week	218	52.0	
Almost every day	1214	61.3	
<b>Computer/tablet usage</b>			
Yes	915	65.4	<0.001
No	1146	50.6	
<b>Internet usage</b>			
Yes	1110	62.7	<0.001
No	643	44.4	
<b>Owning a mobile phone</b>			
Yes	1920	57.9	<0.001
No	142	40.8	

**Supplementary Table 2. Survey logistic regression analysis for the association between HIV prevention comprehensive knowledge and explanatory variables.**

Variables	Unadjusted Prevalence Odds Ratio (UPOR)			Adjusted Prevalence Odds Ratio (APOR)		
	Odds Ratio	95% Confidence Interval		Odds Ratio	95% Confidence Interval	
		Lower	Upper		Lower	Upper
<b>Area</b>						
Urban	1.618***	1.259	2.078	1.130	0.854	1.496
Rural	1.000			1.000		
<b>Region</b>						
Hhohho	1.046	0.819	1.337	0.946	0.721	1.240
Manzini	1.375*	1.063	1.778	1.079	0.800	1.455
Shiselweni	1.141	0.906	1.436	1.197	0.934	1.535
Lubombo	1.000			1.000		
<b>Age</b>						
15-19	0.912	0.640	1.301	1.088	0.667	1.773
20-24	1.190	0.830	1.706	0.982	0.624	1.545
25-29	1.647*	1.113	2.436	1.216	0.759	1.949
30-34	2.084***	1.417	3.063	1.601*	1.032	2.485
35-39	1.761***	1.260	2.462	1.589*	1.079	2.340
40-44	1.826***	1.224	2.726	1.618*	1.033	2.534
45-49	1.000			1.000		
<b>Education</b>						
Primary	0.972	0.595	1.587	1.171	0.704	1.948
Secondary	1.626	0.998	2.651	1.259	0.737	2.150
Higher	4.471***	2.619	7.634	2.333**	1.158	4.701
Pre-primary or none	1.000			1.000		
<b>Marital/Union status</b>						
Currently married/in union	1.254*	1.042	1.508	0.972	0.760	1.242
Formerly married/in union	0.980	0.693	1.385	0.886	0.593	1.325
Never married/in union	1.000			1.000		
<b>Functional difficulties (age 18-49 years)</b>						
Has functional difficulty	0.633**	0.453	0.886	0.775	0.548	1.096
Has no functional difficulty	1.000			1.000		
<b>Wealth index quintile</b>						
Poorest	0.425***	0.328	0.551	0.926	0.622	1.379
Second	0.592***	0.449	0.779	1.159	0.812	1.654
Middle	0.655***	0.511	0.841	1.071	0.758	1.514
Fourth	0.776	0.597	1.010	1.015	0.697	1.477
Richest	1.000			1.000		
<b>Frequency of reading newspapers or magazine</b>						
Not at all	0.325***	0.241	0.438	0.537***	0.355	0.812
Less than once a week	0.378***	0.270	0.530	0.526***	0.347	0.797
At least once a week	0.577***	0.400	0.831	0.718	0.448	1.151
Almost every day	1.000			1.000		
<b>Frequency of listening to the radio</b>						
Not at all	0.795*	0.662	0.954	0.900	0.705	1.149
Less than once a week	0.719*	0.560	0.922	0.795	0.583	1.083
At least once a week	0.774*	0.604	0.991	0.796	0.593	1.070
Almost every day	1.000			1.000		
<b>Frequency of watching TV</b>						
Not at all	0.606***	0.491	0.747	0.805	0.621	1.044
Less than once a week	0.692*	0.493	0.972	0.777	0.519	1.165
At least once a week	0.674***	0.514	0.883	0.689*	0.490	0.967
Almost every day	1.000			1.000		
<b>Computer/ tablet usage</b>						
Yes	1.867***	1.567	2.225	1.195	0.899	1.588
No	1.000			1.000		
<b>Internet usage</b>						
Yes	2.114***	1.747	2.558	1.560***	1.228	1.981
No	1.000			1.000		
<b>Owning a mobile phone</b>						
Yes	1.994***	1.560	2.548	1.020	0.729	1.428
No	1.000			1.000		